



MD UI



Much of what we read is not long-form text, but a word or two here and there—not a book, mulled over in comfort, but a street sign half-glanced as it flies past; the care label on a new shirt; the time on a smartwatch.

I like to describe this reading as *interfacing*: quick, instinctive glances at a small amount of text, in order to understand or interact with one's immediate surroundings. Typefaces meant for this use case need to be extremely performant, clear, and distraction-free.

MD UI is a typeface for interfacing.

Its design follows the enduring neo-grotesque model, while anticipating the next generation of everyday type. A high curve tension, rounded dots, and the addition of humanist elements combine into a typeface that's forward-looking and new but, crucially, feels inevitable.

The family is available in three optical size¹ variants: a standard configuration for general-purpose usage, along with XL and XS sizes for display and micro-scale purposes respectively.

¹ Optical size, rather than absolute size, refers to how much of a reader's overall field of vision the type occupies. Small text viewed up close and large text at a distance may have the same optical size.

MD UI XL

Thin	<i>Italic</i>
Light	<i>Italic</i>
Regular	<i>Italic</i>
Medium	<i>Italic</i>
Semibold	<i>Italic</i>
Bold	<i>Italic</i>
Black	<i>Italic</i>
Ultra	<i>Italic</i>

MD UI

Thin	<i>Italic</i>
Light	<i>Italic</i>
Regular	<i>Italic</i>
Medium	<i>Italic</i>
Semibold	<i>Italic</i>
Bold	<i>Italic</i>
Black	<i>Italic</i>
Ultra	<i>Italic</i>

MD UI XS

Thin	<i>Italic</i>
Light	<i>Italic</i>
Regular	<i>Italic</i>
Medium	<i>Italic</i>
Semibold	<i>Italic</i>
Bold	<i>Italic</i>
Black	<i>Italic</i>
Ultra	<i>Italic</i>



MD UI was designed alongside a monospaced sibling, [MD IO](#). While they share a common visual language, neither typeface is intended to perfectly match the other: where IO prioritises single-glyph legibility, UI focuses on word- and sentence-level reading performance.

Nevertheless, they share metrics wherever possible, including weights and vertical proportions. MD IO and MD UI XS have (perceptually) the same overall spacing and ink trap size.

24pt MD IO

You were told to "Report to Caius
Transferred 2653 bytes in 0.031
VERMEER, J. "Meisje met de Par
 The magnetic field of Jupiter cr
An Introduction to Wire Bending
[I/O Setup] Registered 5 inputs
The train now approaching Platform
Orbital Mechanics 101: Introduction

24pt MD UI XS

Legible Forms

You were told to "Report to Caius
Transferred 2653 bytes in 0.031
VERMEER, J. "Meisje met de Par
 The magnetic field of Jupiter cr
An Introduction to Wire Bending
[I/O Setup] Registered 5 inputs
The train now approaching Platform
Orbital Mechanics 101: Introduction



96pt -5‰

International Standard

72/72pt

USER INTERFACE DESIGN **42: Maintenance & Process**

40/48pt

Legible Forms

APPLE [2003]: HUMAN INTERFACE GUIDELINES ***§. Graphical User Interface (GUI) Accessibility*** **The Principle of Least Surprise, and its importance**



96pt -5‰

Square Punctuation

Municipal Navigation

72/72pt

**WAYFINDING SYSTEMS FOR
(2.3 MB) Information PDF**

40/48pt

Case-Sensitive Forms

**TRANSFER TO OVERGROUND-4 AND BUS SERVICE
Eastbound Metro 5 toward Central Interchange
25:26 For Intercity Routes and Shopping District**



96pt -5‰

Space Shuttle Atlan

72/72pt

Square Punctuation

ROCKWELL OV.104 ORBITER
First flown 1985; retired 20

40/48pt

Square Punctuation, Case-Sensitive Forms

JANUARY 29, 1979: CONTRACT AWARDED TO P
Crew module structural assembly: Mar 30 1980
First launch (STS-51-J): Oct 3 1985, Kennedy S



96pt -5‰

"Petroleum Spirit" (s

72/72pt

Case-Sensitive Forms

2007 · MIXED MEDIA · EXH
The artist uses a combinat

40/48pt

PART OF "GHOSTS IN THE MACHINE" (2012 COL
Folklore and Superstition in the Age of Technology
New Gallery, East Wing / Admission Free for Stud



96pt -5‰

Square Punctuation

East Coast Main Line

72/72pt

1965 RAIL ALPHABET [CALI
Adapted from Helvetica (19

40/48pt

Case-Sensitive Forms

NEO-GROTESQUE MODEL WITH ADAPTATIONS F
Requirements for the Standardisation and Legibil
British Rail, 1965 · Design Research Unit · Simulta



96pt -5‰

Preferences & Settings

72/72pt

C:\DOCUMENTS\MANUSC
Open a new Terminal window

40/48pt

Legible Forms

FONT BOOK: 1,358 FONTS ACTIVE · 2,039 INSTA
Window → Studio → Manage Studio Presets... [Se
Haptic feedback is enabled. If you prefer a differe



96pt -5%

Tropical Plants & Flow

72/72pt

\$3.25 AGAVE SEEDS (PACK
Guaranteed 75% germinatio

40/48pt

Slashed Zero

[230] CULTIVATION TECHNIQUES: AROIDS – RELIA
Thermogenesis (heat production) in plants from In
"Rhizome Propagation for Beginners", the 2018 ess



96pt -5‰

Legible Forms

Biennale of Architecture

72/72pt

VENICE 45°25'44" N, 12°21'3"
International cultural exhibition

40/48pt

Case-Sensitive Forms

*[1925-26] MARCEL BREUER · MODEL B3 (WASSILY)
131.2 × 89.5 cm · Picasso [1911] Le Poète · Oil on line
(LC-3) Fauteuil Grand Confort · Charlotte Perriand 1*



16/20pt · Legible Forms

The visible *graphical interface features* of an application are sometimes referred to as *chrome or GUI*. Typically, users interact with information by manipulating *visual widgets* that allow for interactions *appropriate to the kind of data they hold*. The widgets of a well-designed interface are *selected to support the actions necessary to achieve the goals of users*. A model-view-controller allows *flexible structures* in which the interface is

13/16pt

Ce type d'interface a été créé en 1973 sur le Xerox Alto par les ingénieurs du Xerox PARC pour remplacer les interfaces en ligne de commande. Mis sur le marché à la fin des années 1970 avec le Star de Xerox, le Lisa d'Apple est popularisé par cette dernière firme avec l'ordinateur Macintosh, commercialisé en 1984. Les interfaces graphiques sont mises en œuvre par un ensemble de logiciels souvent inclus dans les systèmes d'exploitation (Windows) ou four-

11/13.5pt · Square Punctuation

Tiền thân của GUI được khai sinh bởi những nhà nghiên cứu tại Stanford Research Institute—được dẫn đầu bởi Douglas Engelbart. Khi đó, họ phát triển việc sử dụng những siêu liên kết (hyperlinks) dựa trên chữ cho hệ thống trực tuyến (On-Line System), trong đó các liên kết được thao tác với một con chuột. Khái niệm siêu liên kết sau đó đã được các nhà nghiên cứu tại Xerox PARC mở rộng sang phạm vi đồ họa. 1963, Sketchpad, một hệ thống dựa trên con trỏ (pointer) được phát triển bởi Ivan Sutherland. Hệ thống này sử dụng

9.5/12pt

Features such as *color depth, refresh rate, frame rate, and screen resolution* are a combination of the limitations of the game platform and display device and the *program efficiency of the game itself*. The game's output can range from fixed displays using LED or LCD elements, *text-based games, 2D and 3D graphics, and augmented reality displays*. The game's graphics are often accompanied by sound produced by *internal speakers* on

8/10pt

Es un árbol perennifolio de tamaño pequeño o medio que alcanza 10–18 m de altura, con un tronco de 70 cm de diámetro, más pequeño y a veces arbustivo en el límite arbóreo. La corteza es suave y resinosa de color gris-marrón. Las hojas son lineales anchas y romas, tienen 1–2 cm de longitud y 2–2.5 mm de ancho, de color verde oscuro arriba y por abajo tienen dos bandas de estomas de color blanco. Las piñas son de 4–7 cm de longitud y 1.5–2 cm de ancho, de color púrpura oscuro antes de madurar. Las semillas aladas se dispersan cuando las piñas maduras se abren a los 6

7/9pt

Because of the *relatively high attraction of water molecules to each other* through a web of hydrogen bonds, water has a higher *surface tension* (72.8 millinewtons [mN] per meter at 20°C) than most other liquids. *Surface tension is an important factor in the phenomenon of capillarity*. Surface tension has the dimension of force per unit length, or of energy per unit area. *The two are equivalent*, but when referring to energy per unit of area, it is common to use the term *surface energy*, which is a more general term *in the sense that it applies also to solids*. Surface tension is used for liquids, while *surface stress* is used



16/20pt

Ved at lime to eller flere tynde printplader (normalt 0,1 mm tykke) sammen omkring isolerende "mellemlag" med gennempletteringer, kan man få mange lag (typisk 4-12, men langt højere antal lag kan/bliver fremstillet) at fordele printbanerne på: På illustrationen til venstre er to printplader (lysegrønne) med baner (smalle orange striber) på begge sider sat sammen omkring et isolerende mellemlag (gråt). Som det ses, kan de enkelte print

13/16pt · Legible Forms

With over 400 active volcanoes, Io is the most geologically active object in the Solar System. This extreme geologic activity is the result of tidal heating from friction generated within Io's interior as it is pulled between Jupiter and the other Galilean moons—Europa, Ganymede and Callisto. Several volcanoes produce plumes of sulfur and sulfur dioxide that climb as high as 500 km (300 mi) above the surface. Io's surface is also dotted with more than 100

11/13.5pt

Andere Programmiersprachen, die Mehrfachvererbung unterstützen, zum Beispiel C++, kennen zwar das Konzept von Schnittstellen, behandeln diese aber wie gewöhnliche Klassen. Man spricht dann auch von abstrakten Klassen. Manchmal wird auch eine eigene Sprache (eine sogenannte Schnittstellenbeschreibungssprache, IDL) zur Deklaration der Schnittstelle verwendet – meist ist das bei Middleware-Systemen wie CORBA oder DCOM der Fall. Objektbasierte Sprachen ohne strenge Typisierung kennen meist keine Sch-

9.5/12pt

***W. mirabilis* is endemic to the desert bordering the Angolan and Namibian coast, between 4.8 km (3.0 mi) and 149 km (93 mi) inland, and from 14.12°S, near the Bentiaba River in Angola, to 23.64°S, near the Kuiseb River in Namibia, a distance of 1,096 km (681 mi). The area is extremely arid; the coast is recorded as having almost zero rainfall, while less than 100 mm (3.9 in) of rain falls annually below the escarpment in the wet season from February to**

8/10pt · Legible Forms, Square Punctuation

CAD on kehittynyt ratkaisemaan käsin piirtämisen epäkäytännöllisyyttä. Varhainen CAD-piirtäminen oli kaksiulotteista, joka oli digitaalinen vastine sinikopioille. CAD ratkaisi monia tehokkuusongelmia sallien toistuvien kohtien kopioinnin, automatisointia ja virheiden välttämisen sekä korjaamisen helpommin. Tarve syöttää malleja suoraan CNC-järjestelmille toi tarpeen kolmiulotteiselle mallinnukselle. Varhainen kolmiulotteinen mallinnus käytti rautalankamalleja, mutta hienojakoisemmat suunnitelmat toivat tarpeen matemaattisesti kuvatuille pinnoille kuten NURBS-

7/9pt

Program taminatının daha "dərın" səviyyələrində digər interfeys növləri də, məsələn, tətbiqi programın konkret əməliyyat sistemi ilə işləməsini təmin edən interfeys vardır; daha dərınlıkdə isə əməliyyat sisteminin işini kompüterin aparatırası ilə korrelyasiya etməyə imkan verən interfeys mövcuddur. Kompüterin aparat vasitələrində interfeys dedikdə, lövhələr (kartlar), bağlayıcılar (connectors) və xarici qurğuları kompüterlə birləşdirən başqa qurğular nəzərdə tutulur. Məsələn, kompüterin printerlə, sət disklerle və digər qurğularla qarşılıqlı əlaqəsini təmin edən RS-232-C və SCSI kimi verilənlərin ötürülməsinin stan-



16/20pt

Based on Jupiter's composition, researchers have made the case for an initial formation outside the molecular nitrogen (N₂) snow line, which is estimated at 20–30 AU (3.0–4.5 billion km; 1.9–2.8 billion mi) from the Sun, and possibly even outside the argon snow line, which may be as far as 40 AU (6.0 billion km; 3.7 billion mi). Having formed at one of these extreme distances, Jupiter would then have, over a roughly 700,000-year period, migrated inwards

13/16pt · Square Punctuation

Nel luglio del 1995 è stato sganciato dalla sonda madre un piccolo modulo-sonda, entrato nell'atmosfera del pianeta il 7 dicembre; il modulo ha raccolto dati per 75 minuti, penetrando per 159 km prima di essere distrutto dalle alte pressioni e temperature dell'atmosfera inferiore (circa 28 atmosfere – ~2,8×10⁶ Pa, e 185 °C [458 K]). La stessa sorte è toccata alla sonda madre quando, il 21 settembre 2003, fu deliberatamente spinta verso il pianeta a una velocità di oltre 50 km/s,

11/13.5pt

A atmosfera de Júpiter é composta de 88 a 92% de hidrogênio e 8 a 12% de hélio, considerando a percentagem em volume de moléculas. Esta composição muda quando descrita em termos de massa, uma vez que uma molécula de hélio é cerca de quatro vezes mais massiva que uma de hidrogênio; com isso, a atmosfera de Júpiter é composta por aproximadamente 75% de hidrogênio e 24% de hélio em massa, sendo o 1% remanescente composto por outros elementos. O interior do planeta contém materiais mais densos, mudando a distribuição por

9.5/12pt

The leaf blade is divided into two regions: a flat, heart-shaped photosynthesis-capable petiole, and a pair of terminal lobes hinged at the midrib, forming the trap which is the true leaf. The upper surface of these lobes contains red anthocyanin pigments and its edges secrete mucilage. The lobes exhibit rapid plant movements, snapping shut when stimulated by prey. The trapping mechanism is tripped when prey contacts one of the three hair-like trichomes that

8/10pt

MESSENGER had een lengte van 1,42 m bij een breedte van 1,85 m en een hoogte van 1,27 m. De plompe, doosvormige sonde beschikte over een extern keramisch thermisch schild. Aan weerszijden staken twee zonnepanelen van 1,50 m × 1,65 m uit, die uitgeklappt het toestel een spanwijdte van 6,00 m gaven. De zonnepanelen wekten in de nabijheid van Mercurius max. 640 W elektriciteit op. Tijdens de vlucht naar Mercurius was dat minder, tussen 385 en 485 W. De daadwerkelijke capaciteit bij Mercurius bedroeg meer dan 2 kW, maar om de belasting van de instrumenten te verlichten nam

7/9pt · Legible Forms

Das zunächst geplante 19-tägige Startfenster im März 2004 und auch das zweite, 12-tägige Mitte Mai 2004 konnten aus technischen Gründen nicht eingehalten werden. Am 30. Juli 2004 öffnete sich dann erneut ein 15-tägiges Fenster. Ein Start am 2. August wurde jedoch wegen dichter Bewölkung über dem Weltraumbahnhof Cape Canaveral abgesagt. Am 3. August 2004 um 02:15:56 Ortszeit (EDT) startete die Sonde schließlich auf einer Trägerrakete vom Typ Delta II 7925H. Durch das neue Startfenster musste eine andere Flugbahn gewählt werden, welche die ursprünglich für 2009 geplante Ankunft um zwei Jahre



16/20pt · Legible Forms

De herkomst van de plant is onduidelijk, maar waarschijnlijk stamt ze uit Midden-Azië (*hoewel daar nooit wilde exemplaren zijn aangetroffen*). Uit geschriften van rond 3000 v.Chr. blijkt dat de ui voor het eerst *in delen van Azië, in Iran en Afghanistan*, werd verbouwd. In deze periode werd de ui ook *in China en later ook in het oude India* verbouwd. *Vanuit India is de ui naar Griekenland en Egypte gebracht*. In decoraties en hiërogliefen van piramides komt de ui veelvuldig

13/16pt · Legible Forms

The ECMA submitted their standard to the *International Standards Organization (ISO)* for fast tracking, where it was further refined into the *ISO 9660 standard*. For compatibility the second edition of ECMA-119 was revised to be *equivalent to ISO 9660* in December 1987. *ISO 9660:1988 was published in 1988*. The main changes from the High Sierra Format in the ECMA-119 and ISO 9660 standards were international extensions to allow the format to work better on non-US markets.

11/13.5pt

Le point culminant est le mont Lyell (3 997 m), au sud-est du parc. Plusieurs sommets dépassent les 3 500 mètres d'altitude et sont tous situés à l'est : le mont Clark (3 780 m), le pic Petit (3 539 m) et le pic Price (3 515 m). En effet, la Sierra Nevada est une chaîne asymétrique avec un versant occidental qui monte progressivement vers la ligne de crête, et un versant oriental qui descend de façon abrupte. Le parc de Yosemite se trouve dans la première partie. À plus grande échelle, l'érosion façonne le granite de Yosemite en formes vigoureuses : dômes, pics et

9.5/12pt

Yosemite is famous for its *high concentration of waterfalls in a small area*. Numerous sheer drops, glacial steps, and hanging valleys in the park feature spectacular cascades, *especially during April, May, and June (as the snow melts)*. Located in Yosemite Valley, *Yosemite Falls* is the fourth tallest waterfall in North America at 2,425 feet (739 m) according to the *World Waterfall Database*. Also in the valley is the *much lower volume Ribbon Falls*, which has the highest

8/10pt · Square Punctuation

W zamieszanu skorzystał francuski botanik – *Joseph Decaisne, który w 1854 opisał gatunek jako Sequoia gigantea*. Wyprzedził Amerykanów (m.in. Kelloga), którzy gatunek opisali pod nazwą *Taxodium giganteum* w 1855. *Mimo zyskanej popularności nazwa autorstwa Decaisne okazała się także niezgodna z zasadami nomenklatury botanicznej (wcześniej użyta została przez Stephana Endlichera do określenia jednej z odmian sekwoi wieczniezielonej Sequoia sempervirens)*. W tej sytuacji przyjęta została *(początkowo z silnymi oporami, wynikającymi z przyzwyczajenia do wyróżniania dwóch*

7/9pt

Már 1773-ban Buffon is leirt egy mudi jellegű pásztor-kutyát, majd Pethe Ferenc 1815-ben a *Természet Históriajában*, Méhelÿ Lajos 1902-ben és Herman Ottó 1912-ben kiadott munkájában. *Ennek ellenére a mudi szervezett tenyésztése utóljára indult meg a magyar fajták közül*. Sokáig nem is különböztették meg a pumitól és a pulitól, a források sokszor így is említették. *Hosszú ideig tartotta magát az a téves nézet is, hogy a mudi a pumi és a puli kereszteződéséből jött létre, pedig egyikre sem hasonlít. Míg „a puli az puli”, a pumi pedig terrier jellegű ősökkel dicsekedhet, addig a mudi spicc jellegű kutyákból alakult ki két- háromszáz évvel ezel-*



16/20pt · Legible Forms

The rotation period for Tau Ceti was measured by *periodic variations in the classic H and K absorption lines of singly ionized calcium (Ca II)*. These lines are closely associated with *surface magnetic activity*, so the period of variation measures the time required for the activity sites to complete a full rotation about the star. *By this means the rotation period for Tau Ceti is estimated to be 34 d*. Due to the Doppler effect, the rotation rate of a star affects the width of the *absorption lines* in

13/16pt · Square Punctuation

Mohaves tuksnesis ir tuksnesis Kordiljeru kalnos, ASV. *Aizņem daļu Kalifornijas, Nevadas, Jūtas un Arizonas štata*. Robežojas ar Lielā Baseina tuksnesi ziemeļos, Sonoras un Kolorādo tuksnešiem dienvidos un Kolorādo plato austrumos. Izveidojies Sjerranevadas lietus «*aizvējā*», apvidum nesaņemot nokrišņus. *Mohaves tuksnesis ir ap 81–124 tūkstošus km² liels*. Tajā savā starpā mijas kalnu grēdas ar ieplakām. Augstākā virsotne ir 3633 m augstā *Čārlstona smaile*, savukārt zemākais punkts ir

11/13.5pt · Legible Forms

Potential snow leopard habitat in the Indian Himalayas is estimated at less than 90,000 km² (35,000 sq mi) in *Jammu and Kashmir, Ladakh, Uttarakhand, Himachal Pradesh, Sikkim and Arunachal Pradesh*, of which about 34,000 km² (13,000 sq mi) is considered *good habitat*, and 14.4% is protected. In the beginning of the 1990s, *the Indian snow leopard population was estimated at 200–600 individuals* living across about 25 protected areas. In 2024, the Indian snow leopard population was estimated at *718 individuals*, with 124 in Uttarakhand, 51 in Hi-

9.5/12pt

Efter en resa på 301 år anländer Marathon till sin slutdestination Tau Ceti IV där en koloni etableras. *Bland invånarna finns även nio cyborger av typen Mjolinir Mk-9* som skickats med i hemlighet och som har legat i dvala under resans gång. *En tionde finns kvar ombord på rymdskeppet*. Då spelet tar sin början har koloni och rymdskepp just anfallits av en fientlig ras av utomjordingar kallade "pfhor". *Leela tar snabbt kommandot och guidar spelaren via datorterminaler*

8/10pt · Slashed Zero

August is normally the warmest month at the Lake Tahoe Airport (elevation 6,254 ft; 1,906 m) with an average maximum of 78.7 °F (25.9°C) and an average minimum of 39.8°F (4.3°C). January is the coolest month with an average maximum of 41.0°F (5.0°C) and an average minimum of 15.1°F (-9.4°C). The all-time maximum of 99 °F (37°C) was recorded on July 22, 1988. *The all-time minimum of -16°F (-27°C) was recorded on December 9, 1972*. Temperatures exceed 90°F (32°C) on an average of 2.0 days annually. *Minimum* temperatures of 32°F (0°C) or lower occur on an average of 231.8 days annually, and

7/9pt

Le milieu interstellaire à partir duquel les étoiles se forment contient principalement de l'hydrogène, de l'hélium et des traces d'éléments plus lourds. Les étoiles en évoluant et mourant enrichissent l'espace environnant en éléments chimiques plus lourds. *Ces éléments sont appelés métaux par les astronomes* et la proportion de ces éléments dans une étoile est la *métallicité*. La métallicité d'une étoile est mesurée à l'aide du rapport de la proportion de fer, un élément facilement observable, sur celle d'hydrogène. Le logarithme de cette quantité est comparé à celui du Soleil. *La métallicité atmosphérique de Tau Ceti* est de [Fe/H] = -0,50, ce qui signifie que le



16/20pt

In Windows 9x, the *IO.SYS* not only contains the DOS BIOS, but also holds the DOS kernel, which previously resided in *MSDOS.SYS*. Under some conditions, *Windows 9x* uses the alternative filenames *WIN-BOOT.SYS* or *JO.SYS* instead. When Windows 9x is installed over a preexisting DOS install, the Windows file may be temporarily named *IO.W40* for as long as Windows' dual-boot feature has booted the previous OS. Likewise, the *IO.SYS* of the older system is named *IO.DOS*

13/16pt

Increased pincount of the printhead from 7, 8, 9 or 12 pins to 18, 24, 27, or 36 permitted superior print quality, which was necessary for success in Asian markets to print legible CJKV characters. Epson's 24-pin LQ-series rose to become the new de facto standard, at 24/180 inch (per pass – 7.5 lpi). Not only could a 24-pin printer lay down a denser dot-pattern in a single pass, it could simultaneously cover a larger area and print more quickly. Although the text quality of a 24-pin was still visibly

11/13.5pt · Square Punctuation

Bu sistemde ışık Newton modelindekinden daha fazla bir uzaklık katetti, çünkü *Guillame Cassegrain ışık demetini kendi üzerine katlama sanatını keşfetti*. Böylece ışığın kendini bir noktada toplamasına gerek kalmadı. *Yani teleskop, kendi içinde oldukça uzun bir odak uzaklığına kavuştu da denilebilir*. Bu sistemde apertürün merkezinde de bir delik bulunmakta. Işık sisteme girdikten sonra objektif tarafından odak noktasının önündeki aynaya düşürülür. *Bu ayna, görüntüyü apertürün merkezinde bulunan delikten geçirecek şekilde yansıtır ve objektifin arkasında bulunan*

9.5/12pt

Þrátt fyrir það að tæknilegir þættir tölvuleikja hafa verið rannsakaðir í mörg ár eru rannsóknir um áhrif tölvuleikja á samfélagið skemmra á veg komnar. Samfélagslegar rannsóknir eru gerðar á sviði frásagnarfræði og leikjarrannsókna. *Sögumenn líta á tölvuleiki sem miðil þar sem einstaklingar fá að vera aðrar persónur og taka ákvarðanir* í nýjum heimi með hliðsjón af *Holodeck-tækninni* úr *Star Trek*. Fræðimenn á sviði leikjarrannsókna eru ósammála þessari skoðun og telja tölvuleiki byggjast

8/10pt

Der 6-Kanal-Ton wurde im Todd-AO-Kanallayout (*links/links-mittig/mittig/rechts-mittig/rechts/Mono für Effekte*) aufgenommen, das für 70-mm-Breitwandfilme zu dieser Zeit Standard war. Für das Format *Super Panavision 70* wurde zunächst der auf 65-mm-Film gedrehte Film auf für die Filmprojektoren benötigtes 70-mm-Filmmaterial kopiert. Auf die restlichen 5 mm des Filmmaterials wurden sechs Magnettonstreifen geklebt, das heißt *pro Ton-Kanal ein Magnettonstreifen*. Entsprechend wurde der Film mit „6-Track Stereo Sound“ beworben, *der in den Kinosälen für entsprechend anspruchsvollen Raumklang*

7/9pt · Legible Forms

In 1968, the Japanese manufacturer OKI introduced its first serial impact dot matrix printer (SIDM), the OKI Wiredot. The printer supported a character generator for 128 characters with a print matrix of 7 × 5. It was aimed at governmental, financial, scientific and educational markets. For this achievement, OKI received an award from the Information Processing Society of Japan (IPSJ) in 2013. In 1970, Digital Equipment Corporation (DEC) introduced an impact dot matrix printer, the LA30, as did Centronics (then of Hudson, New Hampshire): the Centronics 101. The search for a reliable printer mechanism led it to develop a relationship with Brother Industries,



16/20pt

Das *Unit Interval* (UI) ist eine Hilfsmaßeinheit zur Bewertung von *Jitter* (*zeitliches Taktzittern bei der Übertragung von Digitalsignalen*) im Rahmen der digitalen Signalverarbeitung. Es wird u. a. verwendet in der *ITU-T G.810* und bei digitalen Videoschnittstellen wie dem *Serial Digital Interface (SDI)*. Ein Unit Intervall (1 UI) entspricht der Zeitdauer zur Übertragung eines Sendesymbols. *Durch Jitter treten bei der konkreten Zeitdauer Abweichungen auf*, wodurch es infolgedessen zu

13/16pt

Efforts during the 1960s and 1970s explored the other faces of El Capitan, and *many of the early routes* are still popular today. Among the early classics are the Salathé Wall (1961, Royal Robbins, Chuck Pratt and Tom Frost) on the southwest face, and the North America Wall (1964, Royal Robbins, Yvon Chouinard, Chuck Pratt and Tom Frost) on the southeast face. Also climbed in the 1960s are routes such as: Dihedral Wall (1962, Ed Cooper, Jim Baldwin and Glen Denny); West Buttress (1963, Layton Kor and

11/13.5pt

El mesurament de distàncies per paral·laxi és un cas especial del principi de triangulació, que afirma que es poden resoldre tots els costats i angles d'una xarxa de triangles si, a més de tots els angles de la xarxa, s'ha mesurat la longitud d'almenys un costat. Així, el mesurament acurat de la longitud d'una línia de base pot fixar l'escala de tota una xarxa de triangulació. En la paral·laxi, el triangle és extremadament llarg i estret, i mesurant tant el seu costat més curt (*el moviment de l'observador*) com el petit angle superior (*sempre inferior a 1 arcsegon, deixant els altres dos prop*

9.5/12pt · Legible Forms

I 1566 rejste Brahe til Rostock for at studere på Universitæt Rostock. *Her studerede han med professorer i medicin på universitetets berømte lægestudie*, hvor han blev interesseret i alkymi og botanisk medicin. *Den 29. december 1566 mistede Brahe en del af sin næse under en duel med sværd* mod den danske adelsmand Manderup Parsberg, som han langt ude var i familie med. De havde været fulde under professor *Lucas Bachmeisters forlovelsesfest den 10. december*, og var kommet op at

8/10pt

Later, the *IBM System/360* and *System/370* families of computer offered channel I/O on all models. For the lower-end *System/360 Models 50 and below* and *System/370 Model 158 and below*, channels are implemented in micro-code on the CPU, and the CPU itself operates in one of two modes, either "CPU Mode" or "Channel Mode", with the channel mode 'stealing' cycles from the CPU mode. For larger *IBM System/360* and *System/370* computers the channels were still bulky and expensive separate components, such as the *IBM 2860 Selector channel* (one to three selector channels in a single box), the *IBM 2870 Byte*

7/9pt

Zavedením *negatívnej* alebo *pozitívnej* spätnej väzby z výstupu na vstup (-y) je možné charakteristiky obvodu s operačným zosilňovačom (*napr. jeho prenosovú funkciu, zisk, vstupnú a výstupnú impedanciu, šírku pásma a pod.*) precízne definovať externe pripojenými komponentami, pričom tieto charakteristiky sú následne len v zanedbateľnej miere závislé od teplotných koeficientov alebo výrobných tolerancií v samotnom operačnom zosilňovači. Táto flexibilita a reprodukovateľnosť urobila z operačného zosilňovača obľúbený základný konštrukčný prvok v analógových obvodoch. *Reálne operačné zosilňovače majú rôzne praktické obmedzenia*, pre potreby hrubého



16/20pt · Square Punctuation

The device, *housed in the remains of a wooden-framed case* of (uncertain) overall size 34 cm × 18 cm × 9 cm (*13.4 in × 7.1 in × 3.5 in*), was found as one lump, later separated into three main fragments which are *now divided into 82 separate fragments* after conservation efforts. Four of these fragments contain gears, while *inscriptions are found on many others*. The largest gear is about 13 cm (5 in) in diameter and *originally had 223 teeth*. All these fragments of the mechanism are kept at the

13/16pt · Legible Forms

De stoel is nu hét icoon van *De Stijl*, hoewel Rietveld hem ontwierp toen hij *nog geen lid van deze kunstbeweging was*. De opname van Rietveld in *De Stijl* is te danken aan *Robert van 't Hoff*, die hem 1919 aanraadde de hierboven afgebeelde foto van zijn stoel op te sturen *naar hoofdredacteur van De Stijl, Theo van Doesburg*. Deze was direct enthousiast *en publiceerde hem van commentaar voorzien in september 1919* in zijn tijdschrift als een voorbeeld van *“abstract-reële beeldhouwkunst in het nieuwe interieur”*.

11/13.5pt · Legible Forms

Despite the complexity of making the map, *Beck was paid just ten guineas* (equivalent to £942 in 2023) for the artwork and design of the card edition, and another *five guineas* (equivalent to £471 in 2023) for the poster. After its initial success, he continued to design the Tube map until 1960, *a single (and unpopular) 1939 edition by Hans Schleger being the only exception*. Meanwhile, as well as accommodating new lines and stations, *Beck continually altered the design*, such as changing the interchange symbol from a diamond to a circle and *altering the line colours of the Central line* from orange

9.5/12pt

Đá vôi là loại một loại đá trầm tích, về thành phần hóa học chủ yếu là khoáng vật *calcit và aragonit* (các dạng kết tinh khác nhau của calci cacbonat CaCO_3). *Đá vôi ít khi ở dạng tinh khiết, mà thường bị lẫn các tạp chất như đá phiến silic, silica và đá mácma cũng như đất sét, bùn, cát, bitum...* nên nó có màu sắc từ trắng đến màu tro, xanh nhạt, vàng và cả màu hồng sẫm, màu đen. *Đá vôi có độ cứng 3, khối lượng riêng $2.600 \div 2.800 \text{ kg/m}^3$, cường độ chịu nén $1700 \div 2600 \text{ kg/cm}^2$, độ hút nước $0,2 \div 0,5\%$.*

8/10pt

The use of English is also appearing more in signage around the world *as a result of its widespread use as a global vehicle of communication*. The International Organization for Standardization (ISO), in *ISO 28564-2 Public Information Guidance Systems: Guidelines for the Design and Use of Location and Direction Signs*, recommends using English when a language other than the official language is required. When it is necessary to use *two or more languages and scripts within a wayfinding system*, careful consideration must be paid to how the languages are treated visually. Differences in the *visual size and weight, colour, or column*

7/9pt · Legible Forms

Du point de vue du programmeur, *un système de fenêtrage* fournit des primitives graphiques telles que *le rendu de polices de caractères, le tracé de lignes*. Ces primitives sont de plus haut niveau que *les abstractions fournies directement par le matériel graphique*. Certains systèmes de fenêtrage, tels que X, proposent la transparence réseau permettant à l'utilisateur de faire tourner l'application sur l'ordinateur distant. *Cette application distante est donc cliente du serveur de fenêtrage qui est une application locale*. Avec X, le protocole *n'est pas dynamiquement extensible* et est de bas niveau, nécessitant une bande passante importante. *L'alternative, un serveur de fenêtrage*



16/20pt · Legible Forms

The visible *graphical interface* features of an application are sometimes referred to as *chrome* or *GUI*. Typically, users interact with information by manipulating *visual widgets* that allow for interactions *appropriate to the kind of data they hold*. The widgets of a well-designed interface are *selected to support the actions necessary to achieve the goals of users*. A model-view-controller allows *flexible*

13/16pt

Ce type d'interface a été créé en 1973 sur le *Xerox Alto* par les ingénieurs du *Xerox PARC* pour remplacer les interfaces en ligne de commande. *Mis sur le marché à la fin des années 1970 avec le Star de Xerox, le Lisa d'Apple est popularisé par cette dernière firme avec l'ordinateur Macintosh, commercialisé en 1984*. Les interfaces graphiques sont mises en œuvre par un ensemble de logiciels souvent inclus dans les systèmes

11/13.5pt · Square Punctuation

Tiền thân của GUI* được khai sinh bởi những nhà nghiên cứu tại *Stanford Research Institute*— được dẫn đầu bởi *Douglas Engelbart*. *Khi đó, họ phát triển việc sử dụng những siêu liên kết (hyperlinks) dựa trên chữ cho hệ thống trực tuyến (On-Line System)*, trong đó các liên kết được thao tác với một con chuột. Khái niệm siêu liên kết sau đó đã được các nhà nghiên cứu tại *Xerox PARC* mở rộng sang phạm vi đồ họa. *1963, Sketchpad, một hệ thống dựa trên con trỏ (pointer) được phát triển bởi Ivan

9.5/12pt

Features such as *color depth, refresh rate, frame rate, and screen resolution* are a combination of the limitations of the game platform and display device and the *program efficiency of the game itself*. The game's output can range from fixed displays using LED or LCD elements, *text-based games, 2D and 3D graphics, and augmented reality displays*. The game's graphics are often accompanied by sound pro-

8/10pt

Es un árbol perennifolio* de tamaño pequeño o medio que alcanza 10–18 m de altura, con un tronco de 70 cm de diámetro, más pequeño y a veces arbustivo en el límite arbóreo. *La corteza es suave y resinosa de color gris-marrón*. Las hojas son lineales anchas y romas, tienen 1–2 cm de longitud y 2–2.5 mm de ancho, *de color verde oscuro arriba y por abajo tienen dos bandas de estomas de color blanco*. Las piñas son de 4–7 cm de longitud y 1.5–2 cm de ancho, de color púrpura oscuro antes de madurar. *Las semillas aladas se

7/9pt

Because of the *relatively high attraction of water molecules to each other* through a web of hydrogen bonds, water has a higher *surface tension* (72.8 millinewtons [mN] per meter at 20°C) than most other liquids. *Surface tension is an important factor in the phenomenon of capillarity*. Surface tension has the dimension of force per unit length, or of energy per unit area. *The two are equivalent*, but when referring to energy per unit of area, it is common to use the term *surface energy*, which is a more general term in the sense that it applies also to solids. Surface



16/20pt

Ved at lime to eller flere tynde printplader (normalt 0,1 mm tykke) sammen omkring isolerende "mellemlag" med genempletteringer, kan man få mange lag (typisk 4-12, men langt højere antal lag kan/bliver fremstillet) at fordele printbanerne på: På illustrationen til venstre er to printplader (lysegrønne) med baner (smalle orange striber) på begge sider sat sammen omkring et isolerende mellemlag

13/16pt · Legible Forms

With over 400 active volcanoes, Io is the most geologically active object in the Solar System. This extreme geologic activity is the result of tidal heating from friction generated within Io's interior as it is pulled between Jupiter and the other Galilean moons—Europa, Ganymede and Callisto. Several volcanoes produce plumes of sulfur and sulfur dioxide that climb as high as 500 km (300 mi) above the surface. Io's surface is

11/13.5pt

Andere Programmiersprachen, die Mehrfachvererbung unterstützen, zum Beispiel C++, kennen zwar das Konzept von Schnittstellen, behandeln diese aber wie gewöhnliche Klassen. Man spricht dann auch von abstrakten Klassen. Manchmal wird auch eine eigene Sprache (eine sogenannte Schnittstellenbeschreibungssprache, IDL) zur Deklaration der Schnittstelle verwendet – meist ist das bei Middleware-Systemen wie CORBA oder DCOM der Fall. Objektbasierte Spra-

9.5/12pt

***W. mirabilis* is endemic to the desert bordering the Angolan and Namibian coast, between 4.8 km (3.0 mi) and 149 km (93 mi) inland, and from 14.12°S, near the Bentiaba River in Angola, to 23.64°S, near the Kuiseb River in Namibia, a distance of 1,096 km (681 mi). The area is extremely arid; the coast is recorded as having almost zero rainfall, while less than 100 mm (3.9 in) of rain falls annually below the escarp-**

8/10pt · Legible Forms, Square Punctuation

CAD on kehittynyt ratkaisemaan käsin piirtämisen epäkäytännöllisyyttä. Varhainen CAD-piirtäminen oli kaksikulotteista, joka oli digitaalinen vastine siniko-piölle. CAD ratkaisi monia tehokkuusongelmia sallien toistuvien kohtien kopiaoinnin, automatisointia ja virheiden välttämisen sekä korjaamisen helpommin. Tarve syöttää malleja suoraan CNC-järjestelmille toi tarpeen kolmiulotteiselle mallinnukselle. Varhainen kolmiulotteinen mallinnus käytti rautalankamalleja, mutta hienojakoisemmat suunnitelmat toivat

7/9pt

Program taminatının daha "dərın" səviyyələrində digər interfeys növləri də, məsələn, tətbiqi programın konkret əməliyyat sistemi ilə işləməsini təmin edən interfeys vardır; daha dərinlikdə isə əməliyyat sis-teminin işini kompüterin aparatı ilə korrelyasiya etməyə imkan verən interfeys mövcuddur. Kompüt-erin aparat vasitələrində interfeys dedikdə, lövhələr (kartlar), bağlayıcılar (connectors) və xarici qurğuları kompüterlə birləşdirən başqa qurğular nəzərdə tutulur. Məsələn, kompüterin printerlə, sərt disklerle və digər qurğularla qarşılıqlı əlaqəsini təmin edən



16/20pt

Based on Jupiter's composition, researchers have made the case for an initial formation outside the molecular nitrogen (N₂) snow line, which is estimated at 20–30 AU (3.0–4.5 billion km; 1.9–2.8 billion mi) from the Sun, and possibly even outside the argon snow line, which may be as far as 40 AU (6.0 billion km; 3.7 billion mi). Having formed at one of these extreme distances, Jupiter would then have, over a roughly

13/16pt · Square Punctuation

Nel luglio del 1995 è stato sganciato dalla sonda madre un piccolo modulo-sonda, entrato nell'atmosfera del pianeta il 7 dicembre; il modulo ha raccolto dati per 75 minuti, penetrando per 159 km prima di essere distrutto dalle alte pressioni e temperature dell'atmosfera inferiore (circa 28 atmosfere – $\sim 2,8 \times 10^6$ Pa, e 185 °C [458 K]). La stessa sorte è toccata alla sonda madre quando, il 21 settembre 2003, fu deliberatamente spinta verso il

11/13.5pt

A atmosfera de Júpiter é composta de 88 a 92% de hidrogênio e 8 a 12% de hélio, considerando a percentagem em volume de moléculas. Esta composição muda quando descrita em termos de massa, uma vez que uma molécula de hélio é cerca de quatro vezes mais massiva que uma de hidrogênio; com isso, a atmosfera de Júpiter é composta por aproximadamente 75% de hidrogênio e 24% de hélio em massa, sendo o 1% remanescente composto por outros elementos. O interior do planeta contém materiais

9.5/12pt

The leaf blade is divided into two regions: a flat, heart-shaped photosynthesis-capable petiole, and a pair of terminal lobes hinged at the midrib, forming the trap which is the true leaf. The upper surface of these lobes contains red anthocyanin pigments and its edges secrete mucilage. The lobes exhibit rapid plant movements, snapping shut when stimulated by prey. The trapping mechanism is tripped when prey contacts one of

8/10pt

MESSENGER had een lengte van 1,42 m bij een breedte van 1,85 m en een hoogte van 1,27 m. De plompe, doosvormige sonde beschikte over een extern keramisch thermisch schild. Aan weerszijden staken twee zonnepanelen van 1,50 m × 1,65 m uit, die uitgeklapt het toestel een spanwijdte van 6,00 m gaven. De zonnepanelen wekten in de nabijheid van Mercurius max. 640 W elektriciteit op. Tijdens de vlucht naar Mercurius was dat minder, tussen 385 en 485 W. De daadwerkelijke capaciteit bij Mercurius bedroeg meer dan 2 kW,

7/9pt · Legible Forms

Das zunächst geplante 19-tägige Startfenster im März 2004 und auch das zweite, 12-tägige Mitte Mai 2004 konnten aus technischen Gründen nicht eingehalten werden. Am 30. Juli 2004 öffnete sich dann erneut ein 15-tägiges Fenster. Ein Start am 2. August wurde jedoch wegen dichter Bewölkung über dem Weltraumbahnhof Cape Canaveral abgesagt. Am 3. August 2004 um 02:15:56 Ortszeit (EDT) startete die Sonde schließlich auf einer Trägerrakete vom Typ Delta II 7925H. Durch das neue Startfenster musste eine andere Flugbahn gewählt werden, welche die ursprünglich für



16/20pt · Legible Forms

De herkomst van de plant is onduidelijk, maar waarschijnlijk stamt ze uit Midden-Azië (*hoewel daar nooit wilde exemplaren zijn aangetroffen*). Uit geschriften van rond 3000 v.Chr. blijkt dat de ui voor het eerst *in delen van Azië, in Iran en Afghanistan*, werd verbouwd. In deze periode werd de ui ook *in China en later ook in het oude India* verbouwd. *Vanuit India is de ui naar Griekenland en Egypte gebracht*. In decoraties en hiëro-

13/16pt · Legible Forms

The ECMA submitted their standard to the *International Standards Organization (ISO)* for fast tracking, where it was further refined into the *ISO 9660 standard*. For compatibility the second edition of ECMA-119 was revised to be *equivalent to ISO 9660* in December 1987. *ISO 9660:1988 was published in 1988*. The main changes from the High Sierra Format in the ECMA-119 and ISO 9660 standards were international extensions to

11/13.5pt

Le point culminant est le mont Lyell (3 997 m), au sud-est du parc. Plusieurs sommets dépassent les 3 500 mètres d'altitude et sont tous situés à l'est : le mont Clark (3 780 m), le pic Petit (3 539 m) et le pic Price (3 515 m). En effet, la Sierra Nevada est une chaîne asymétrique avec un versant occidental qui monte progressivement vers la ligne de crête, et un versant oriental qui descend de façon abrupte. Le parc de Yosemite se trouve dans la première partie. À plus grande échelle, l'érosion façonne

9.5/12pt

Yosemite is famous for its *high concentration of waterfalls in a small area*. Numerous sheer drops, glacial steps, and hanging valleys in the park feature spectacular cascades, *especially during April, May, and June (as the snow melts)*. Located in Yosemite Valley, *Yosemite Falls* is the fourth tallest waterfall in North America at 2,425 feet (739 m) according to the *World Waterfall Database*. Also in the valley is the *much lower*

8/10pt · Square Punctuation

W zamieszanu skorzystał francuski botanik – *Joseph Decaisne, który w 1854 opisał gatunek jako Sequoia gigantea*. Wyprzedził Amerykanów (m.in. Kelloga), którzy gatunek opisali pod nazwą *Taxodium giganteum* w 1855. *Mimo zyskanej popularności nazwa autorstwa Decaisne okazała się także niezgodna z zasadami nomenklatury botanicznej* (wcześniej użyta została przez Stephana Endlichera do określenia jednej z odmian sekwoi wieczniezielonej *Sequoia sempervirens*). W tej sytuacji przyjęta została (*początkowo z silnymi*

7/9pt

Már 1773-ban Buffon is leírt egy mudi jellegű pásztorkutyát, majd *Pethe Ferenc 1815-ben a Természet Históriajában*, Méhelý Lajos 1902-ben és *Herman Ottó 1912-ben* kiadott munkájában. *Ennek ellenére a mudi szervezett tenyésztése utoljára indult meg a magyar fajták közül*. Sokáig nem is különböztették meg a pumitól és a pulitól, a források sokszor így is említették. *Hosszú ideig tartotta magát az a téves nézet is*, hogy a mudi a pumi és a puli kereszteződéséből jött létre, pedig egyikre sem hasonlít. Míg „*a puli az puli*”, a pumi pedig terrier jellegű ősökkel dicsekedhet, *addig a*



16/20pt · Legible Forms

The rotation period for Tau Ceti was measured by *periodic variations in the classic H and K absorption lines of singly ionized calcium (Ca II)*. These lines are closely associated with *surface magnetic activity*, so the period of variation measures the time required for the activity sites to complete a full rotation about the star. *By this means the rotation period for Tau Ceti is estimated to be 34 d*. Due to the Doppler effect, the rotation rate of a

13/16pt · Square Punctuation

Mohaves tuksnesis ir tuksnesis Kordiljeru kalnos, ASV. *Aizņem daļu Kalifornijas, Nevadas, Jūtas un Arizonas štata*. Robežojas ar Lielā Baseina tuksnesi ziemeļos, Sonoras un Kolorādo tuksnešiem dienvidos un Kolorādo plato austrumos. Izveidojies Sjerranevadas lietus «*aizvējā*», apvidum nesaņemot nokrišņus. *Mohaves tuksnesis ir ap 81–124 tūkstošus km² liels*. Tajā savā starpā mijas kalnu grēdas ar ieplakām. Augstākā virsotne ir 3633 m augstā

11/13.5pt · Legible Forms

Potential snow leopard habitat in the Indian Himalayas is estimated at less than 90,000 km² (35,000 sq mi) in *Jammu and Kashmir, Ladakh, Uttarakhand, Himachal Pradesh, Sikkim and Arunachal Pradesh*, of which about 34,000 km² (13,000 sq mi) is considered *good habitat*, and 14.4% is protected. In the beginning of the 1990s, *the Indian snow leopard population was estimated at 200–600 individuals* living across about 25 protected areas. In 2024, the Indian snow leopard population was estimated

9.5/12pt

Efter en resa på 301 år anländer Marathon till sin slutdestination Tau Ceti IV där en koloni etableras. *Bland invånarna finns även nio cyborger av typen Mjolinir Mk-9* som skickats med i hemlighet och som har legat i dvala under resans gång. *En tionde finns kvar ombord på rymdskeppet*. Då spelet tar sin början har koloni och rymdskepp just anfallits av en fientlig ras av utomjordingar kallade "pffhor". *Leela tar snabbt kommandot och guidar*

8/10pt · Slashed Zero

August is normally the warmest month at the Lake Tahoe Airport (*elevation 6,254 ft; 1,906 m*) with an average maximum of 78.7 °F (25.9°C) and an average minimum of 39.8°F (4.3°C). January is the coolest month with an average maximum of 41.0°F (5.0°C) and an average minimum of 15.1°F (-9.4°C). The all-time maximum of 99 °F (37°C) was recorded on July 22, 1988. *The all-time minimum of -16°F (-27°C) was recorded on December 9, 1972*. Temperatures exceed 90°F (32°C) on an average of 2.0 days annually. *Minimum* temperatures of 32°F (0°C)

7/9pt

Le milieu interstellaire à partir duquel les étoiles se forment contient principalement de l'hydrogène, de l'hélium et des traces d'éléments plus lourds. Les étoiles en évoluant et mourant enrichissent l'espace environnant en éléments chimiques plus lourds. *Ces éléments sont appelés métaux par les astronomes* et la proportion de ces éléments dans une étoile est la *métallicité*. La métallicité d'une étoile est mesurée à l'aide du rapport de la proportion de fer, un élément facilement observable, sur celle d'hydrogène. Le logarithme de cette quantité est comparé à celui du Soleil. *La métallicité atmo-*



16/20pt

In Windows 9x, the *IO.SYS* not only contains the *DOS BIOS*, but also holds the DOS kernel, which previously resided in *MSDOS.SYS*. Under some conditions, *Windows 9x* uses the alternative filenames *WINBOOT.SYS* or *JO.SYS* instead. When Windows 9x is installed over a preexisting DOS install, the Windows file may be temporarily named *IO.W40* for as long as Windows' dual-boot feature has booted the previous OS. Likewise, the *IO.SYS* of the

13/16pt

Increased pincount of the printhead *from 7, 8, 9 or 12 pins to 18, 24, 27, or 36* permitted superior print quality, which was necessary for success in Asian markets *to print legible CJKV characters*. Epson's 24-pin LQ-series rose to become the new de facto standard, at 24/180 inch (*per pass — 7.5 lpi*). Not only could a 24-pin printer lay down a *denser dot-pattern in a single pass*, it could *simultaneously* cover a larger area and print more quickly. *Although*

11/13.5pt · Square Punctuation

Bu sistemde ışık Newton modelindekinden daha fazla bir uzaklık katetti, *çünkü Guilliame Cassegrain ışık demetini kendi üzerine katlama sanatını keşfetti*. Böylece ışığın kendini bir noktada toplamasına gerek kalmadı. *Yani teleskop, kendi içinde oldukça uzun bir odak uzaklığına kavuştu da denilebilir*. Bu sistemde apertürün merkezinde de bir delik bulunmakta. Işık sisteme girdikten sonra objektif tarafından odak noktasının önündeki aynaya düşürülür. *Bu ayna, görüntüyü apertürün merkezinde bulunan delikten geçirecek*

9.5/12pt

Drátt fyrir það að tæknilegir þættir tölvuleikja hafa verið rannsakaðir í mörg ár *eru rannsóknir um áhrif tölvuleikja á samfélagið skemmra á veg komnar*. Samfélagslegar rannsóknir eru gerðar á sviði frásagnarfræði og leikjarannsókna. *Sögumenn líta á tölvuleiki sem miðil þar sem einstaklingar fá að vera aðrar persónur og taka ákvarðanir í nýjum heimi með hliðsjón af Holodeck-tækninni úr Star Trek*. Fræðimenn á sviði leikjarannsókna eru ósam-

8/10pt

Der 6-Kanal-Ton wurde im Todd-AO-Kanallayout (*links/links-mittig/mittig/rechts-mittig/rechts/Mono für Effekte*) aufgenommen, das für 70-mm-Breitwandfilme zu dieser *Zeit Standard* war. Für das Format *Super Panavision 70* wurde zunächst der auf 65-mm-Film gedrehte Film auf für die Filmprojektoren benötigtes 70-mm-Filmmaterial kopiert. Auf die restlichen 5 mm des Filmmaterials wurden sechs Magnettonstreifen geklebt, das heißt *pro Ton-Kanal ein Magnettonstreifen*. Entsprechend wurde der Film mit „6-Track Stereo Sound“ beworben, *der in den*

7/9pt · Legible Forms

In 1968, the Japanese manufacturer OKI *introduced its first serial impact dot matrix printer (SIDM)*, the OKI Wiredot. The printer supported a *character generator* for 128 characters with a print matrix of 7 × 5. *It was aimed at governmental, financial, scientific and educational markets*. For this achievement, OKI received an award from the *Information Processing Society of Japan (IPSJ)* in 2013. In 1970, *Digital Equipment Corporation (DEC)* introduced an impact dot matrix printer, the LA30, as did Centronics (*then of Hudson, New Hampshire*): the Centronics 101. The search for a reliable printer



16/20pt

Das *Unit Interval* (UI) ist eine Hilfsmaßeinheit zur Bewertung von *Jitter* (*zeitliches Taktzittern bei der Übertragung von Digitalsignalen*) im Rahmen der digitalen Signalverarbeitung. Es wird u. a. verwendet in der *ITU-T G.810* und bei digitalen Videoschnittstellen wie dem *Serial Digital Interface (SDI)*. Ein Unit Intervall (1 UI) entspricht der Zeitdauer zur Übertragung eines Sendesymbols. *Durch Jitter treten bei der konkreten Zeitdauer Abweichungen*

13/16pt

Efforts during the 1960s and 1970s explored the other faces of El Capitan, and *many of the early routes* are still popular today. Among the early classics are the *Salathé Wall (1961, Royal Robbins, Chuck Pratt and Tom Frost)* on the southwest face, and the *North America Wall (1964, Royal Robbins, Yvon Chouinard, Chuck Pratt and Tom Frost)* on the southeast face. Also climbed in the 1960s are routes such as: *Dihedral Wall (1962, Ed Cooper, Jim Bald-*

11/13.5pt

El mesurament de distàncies per paral·laxi és un cas especial del principi de triangulació, que afirma que es poden resoldre tots els costats i *angles d'una xarxa de triangles si*, a més de tots els angles de la xarxa, *s'ha mesurat la longitud d'almenys un costat*. Així, el mesurament acurat de la longitud d'una línia de base pot fixar *l'escala de tota una xarxa de triangulació*. En la paral·laxi, el triangle és extremadament llarg i estret, i mesurant tant el seu costat més curt (*el moviment de l'observador*) com el petit angle superior

9.5/12pt · Legible Forms

I 1566 rejste Brahe til Rostock for at studere på Universitæt Rostock. *Her studerede han med professorer i medicin på universitetets berømte lægestudie*, hvor han blev interesseret i alkymi og botanisk medicin. *Den 29. december 1566 mistede Brahe en del af sin næse under en duel med sværd* mod den danske adelsmand Manderup Parsberg, som han langt ude var i familie med. De havde været fulde under professor *Lucas Bachmeisters*

8/10pt

Later, the *IBM System/360 and System/370* families of computer offered channel I/O on all models. For the lower-end *System/360 Models 50 and below* and *System/370 Model 158 and below*, channels are implemented in microcode on the CPU, *and the CPU itself operates in one of two modes*, either "CPU Mode" or "Channel Mode", with the channel mode 'stealing' cycles from the CPU mode. For larger *IBM System/360 and System/370* computers the channels were still bulky and expensive separate components, such as the *IBM 2860 Selector channel*

7/9pt

Zavedením *negatívnej alebo pozitívnej spätnej väzby* z výstupu na vstup(-y) je možné charakteristiky obvodu s operačným zosilňovačom (*napr. jeho prenosovú funkciu, zisk, vstupnú a výstupnú impedanciu, šírku pásma a pod.*) precízne definovať externe pripojenými komponentami, *pričom tieto charakteristiky sú následne len v zanedbateľnej miere závislé od teplotných koeficientov alebo výrobných tolerancií v samotnom operačnom zosilňovači*. Táto flexibilita a reprodukovateľnosť urobila z operačného zosilňovača obľúbený základný konštrukčný prvok v analógových obvodoch. *Reálne operačné zosil-*



16/20pt · Square Punctuation

The device, *housed in the remains of a wooden-framed case of (uncertain) overall size 34 cm × 18 cm × 9 cm (13.4 in × 7.1 in × 3.5 in)*, was found as one lump, later separated into three main fragments which are *now divided into 82 separate fragments* after conservation efforts. Four of these fragments contain gears, while *inscriptions are found on many others*. The largest gear is about 13 cm (5 in) in diameter and *originally had 223 teeth*. All these

13/16pt · Legible Forms

De stoel is nu hét icoon van *De Stijl*, hoewel Rietveld hem ontwierp toen hij *nog geen lid van deze kunstbeweging was*. De opname van Rietveld in *De Stijl* is te danken aan *Robert van 't Hoff*, die hem 1919 aanraadde de hierboven afgebeelde foto van zijn stoel op te sturen *naar hoofdredacteur van De Stijl, Theo van Doesburg*. Deze was direct enthousiast *en publiceerde hem van commentaar voorzien in september 1919* in zijn tijdschrift als een voorbeeld van

11/13.5pt · Legible Forms

Despite the complexity of making the map, *Beck was paid just ten guineas* (equivalent to £942 in 2023) for the artwork and design of the card edition, and another *five guineas* (equivalent to £471 in 2023) for the poster. After its initial success, he continued to design the Tube map until 1960, *a single (and unpopular) 1939 edition by Hans Schleger being the only exception*. Meanwhile, as well as accommodating new lines and stations, *Beck continually altered the design*, such as changing the interchange symbol from a diamond to

9.5/12pt

Đá vôi là loại một loại đá trầm tích, về thành phần hóa học chủ yếu là khoáng vật calcit và aragonit (các dạng kết tinh khác nhau của calci cacbonat CaCO₃). Đá vôi ít khi ở dạng tinh khiết, mà thường bị lẫn các tạp chất như đá phiến silic, silica và đá mácma cũng như đất sét, bùn, cát, bitum... nên nó có màu sắc từ trắng đến màu tro, xanh nhạt, vàng và cả màu hồng sẫm, màu đen. Đá vôi có độ cứng 3, khối lượng riêng 2.600 ÷ 2.800 kg/m³, cường độ

8/10pt

The use of English is also appearing more in signage around the world *as a result of its widespread use as a global vehicle of communication*. The International Organization for Standardization (ISO), in *ISO 28564-2 Public Information Guidance Systems: Guidelines for the Design and Use of Location and Direction Signs*, recommends using English when a language other than the official language is required. When it is necessary to use *two or more languages and scripts within a wayfinding system*, careful consideration must be paid to how the languages are treated visually.

7/9pt · Legible Forms

Du point de vue du programmeur, *un système de fenêtrage* fournit des primitives graphiques telles que *le rendu de polices de caractères, le tracé de lignes*. Ces primitives sont de plus haut niveau que *les abstractions fournies directement par le matériel graphique*. Certains systèmes de fenêtrage, tels que X, proposent la transparence réseau permettant à l'utilisateur de faire tourner l'application sur l'ordinateur distant. *Cette application distante est donc cliente du serveur de fenêtrage qui est une application locale*. Avec X, le protocole *n'est pas dynamique-ment extensible* et est de bas niveau, nécessitant une



ss01 Legible Forms (Stylistic Set 1)

Industrial Industrial

ss03 Circled Numbers (Stylistic Set 3)

Metro 5 Metro ⑤

ordn Ordinals

1^o 2^asup^s Superscript $x^2 + 4y^3$

tnum Tabular Figures

€10.95 €10.95

case Case-Sensitive Forms

¿H-H? ¿H-H?

calt Contextual Alternates

8:45 PM 8:45 PM

ss02 Square Punctuation (Stylistic Set 2)

Aktivität. Aktivität.

ss04 Solid Circled Numbers (Stylistic Set 4)

Gate 9 Gate ⑨

frac Arbitrary Fractions

1¹⁷/24 1¹⁷/24

subs Subscript (also sinf Scientific Inferiors)

C₆H₁₂O₆

zero Slashed Zero (also ss05 Stylistic Set 5)

Web 1.0 Web 1.0

loc1 Localised Forms (Romanian & Moldavian, Catalan, Northern Sámi)

ȘȚ L·L Ŋ ȘȚ L·L Ŋ



Abkhazian	Faroese	Koyra Chiini	Niuean	Swati
Acehnese	Fijian	Koyraboro Senni	Nogai	Swedish
Adangme	Filipino	Kuanyama	North Ndebele	Swiss German
Adyghe	Finnish	Kumyk	North Sámi	Tahitian
Afrikaans	Fon	Kurukh	Northern Sotho	Taita
Akan	French	Kwasio	Norwegian Bokmål	Taroko
Albanian	Friulian	Ladino	Norwegian Nynorsk	Tasawaq
Aleut	Fula	Latin	Nyanja	Teso
Angika	Ga	Latvian	Nyankole	Tetum
Aragonese	Galician	Lezghian	Oromoo	Timne
Arapaho	Ganda	Limburchish	Palauan	Tok Pisin
Aromanian	German	Lingala	Pampanga	Tongan
Asturian	Gilbertese	Lithuanian	Pangasinan	Tsonga
Asu	Gorontalo	Lojban	Papiamentu	Tswana
Avaric	Guarani	Louisiana Creole	Pite Sámi	Tumbuka
Awadhi	Gusii	Lower Sorbian	Polish	Turkish
Aymara	Gwich'in	Lozi	Portuguese	Turkmen
Azerbaijani	Haitian Creole	Luba-Katanga	Quechua	Tuvalu
Bafia	Hausa	Luba-Lulua	Rapanui	Tuvinian
Balinese	Hawaiian	Lule Sami	Rarotongan	Tyap
Bambara	Herero	Lunda	Romanian	Udmurt
Basque	Hiligaynon	Luo	Romansh	Umbundu
Bemba	Hungarian	Luxembourgish	Rombo	Ume Sámi
Bena	Hupa	Luyia	Rundi	Upper Sorbian
Bini	Iban	Machame	Rwa	Uzbek
Bislama	Ibibio	Madurese	Samburu	Vai
Bosnian	Icelandic	Magahi	Samoan	Vietnamese
Breton	Ido	Makasar	Sandawe	Vunjo
Buginese	Igbo	Makhuwa-Meetto	Sango	Walloon
Cajun French	Iloko	Makonde	Sangu	Waray
Catalan	Inari Sami	Malagasy	Sardinian	Welsh
Cebuano	Indonesian	Malay	Scots	Wolastoqey
Chamorro	Interlingua	Maltese	Scottish Gaelic	Wolof
Cheyenne	Irish	Manx	Sena	Xhosa
Chickasaw	Italian	Māori	Serbian	Yangben
Chiga	Javanese	Mapuche	Shambala	Yemba
Chuukese	Jju	Mari	Shan	Zarma
Colognian	Jola-Fonyi	Marshallese	Shona	Zaza
Comorian	Kabardian	Mende	Sicilian	Zulu
Cornish	Kabuverdianu	Meru	Siksiká	Zuni
Corsican	Kachin	Meta'	Skolt Sami	
Croatian	Kako	Mi'kmaw	Slovak	
Czech	Kalaallisut	Minangkabau	Slovenian	
Dakota	Kalenjin	Mirandese	Soga	
Danish	Kalmyk	Mizo	Somali	
Dargwa	Kamba	Mohawk	Soninke	
Dazaga	Kanuri	Moksha	South Ndebele	
Dogrib	Karachay-Balkar	Morisyen	South Sámi	
Duala	Karelian	Mossi	Southern Altai	
Dutch	Khasi	Mvskoke	Southern Sotho	
Efik	Kikuyu	Nauru	Spanish	
Ekajuk	Kimbundu	Ndonga	Sranan Tongo	
Embu	Kinyarwanda	Neapolitan	Sukuma	
English	Klingon	Newari	Sundanese	
Esperanto	Komi	Ngambay	Swahili	
Estonian	Koro	Nias		

Showing 264 of a total 423 supported languages.

[See our website for a full, searchable list.](#)

For languages with multiple scripts or writing systems, only the Latin is supported (unless noted otherwise).



Credits	Designed by Rutherford Craze. Production by Luke Charsley.	
	Thanks to Jack Grimes for his advice on how to describe and explain the UI project; to everyone who backed MD IO on Future Fonts; and to David Jonathan Ross, whose <i>Input/Output</i> families helped to inspire the <i>IO/UI</i> naming.	
Version No.	1.005	
First Available	March 2026	
Last Updated	March 2026	
Total Styles	48	
Glyphs Per Style	900	
UPM	1000	
Cap Height	690	
x-Height	516–536	
Ascender	740	
Descender	–190	
Italic Angle	12°	
Filesize	OTF:	161–192 KB
	WOFF2:	51–66 KB
	TTF (VF):	474 KB
	WOFF2 (VF):	164 KB
Contours	Desktop:	Cubic (CFF)
	Web:	Cubic/Quadratic (CFF/TTF)
	Variable:	Quadratic (TTF) (Unhinted)
Licensing	MD UI may be used only as permitted by the terms of the Mass-Driver License Agreement. https://mass-driver.com/licensing	



Style	opsz	Optical Size	wght	Weight	slnt	Slant
XS Thin		6		200		0
XS Thin Italic		6		200		-12
XS Light		6		300		0
XS Light Italic		6		300		-12
XS Regular		6		400		0
XS Italic		6		400		-12
XS Medium		6		500		0
XS Medium Italic		6		500		-12
XS Semibold		6		600		0
XS Semibold Italic		6		600		-12
XS Bold		6		700		0
XS Bold Italic		6		700		-12
XS Black		6		800		0
XS Black Italic		6		800		-12
XS Ultra		6		900		0
XS Ultra Italic		6		900		-12

Thin		12		200		0
Thin Italic		12		200		-12
Light		12		300		0
Light Italic		12		300		-12
Regular		12		400		0
Italic		12		400		-12
Medium		12		500		0
Medium Italic		12		500		-12
Semibold		12		600		0
Semibold Italic		12		600		-12
Bold		12		700		0
Bold Italic		12		700		-12
Black		12		800		0
Black Italic		12		800		-12
Ultra		12		900		0
Ultra Italic		12		900		-12

Style	opsz	Optical Size	wght	Weight	slnt	Slant
XL Thin		48		200		0
XL Thin Italic		48		200		-12
XL Light		48		300		0
XL Light Italic		48		300		-12
XL Regular		48		400		0
XL Italic		48		400		-12
XL Medium		48		500		0
XL Medium Italic		48		500		-12
XL Semibold		48		600		0
XL Semibold Italic		48		600		-12
XL Bold		48		700		0
XL Bold Italic		48		700		-12
XL Black		48		800		0
XL Black Italic		48		800		-12
XL Ultra		48		900		0
XL Ultra Italic		48		900		-12

MD UI Variable		6 ... 48		200 ... 900		0
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Available on request

MD UI's standard, XS and XL cuts install as discrete families, so you can change optical size without losing other formatting. This means 'XS' and 'XL' will appear as part of the family name, not the style name as it appears here.



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