

## Polaris

# speech bubble word equation 

BoLD

## cubic equation marquee moon

 mandelbrot setBOOK
kladderadatsch editorial stance LIGHT
give me a shout creatio ex nihlio

HEAVY


## MARKING PEN

## POSTMODERNISM

 KEEP THE BALL ROLLING
## HEAVY


waking light my generation lynton \& lynmouth beware the ides of march

## BOLD



## COMPOUND

 SCHOENBERG POST-INDUSTRIAL FINGERSPITZENGEFÜJL

## liquidation

treemonisha soutache braid modular arithmetic as good luck would have it


## THE LETTER

 FIDDLEHEADS BAD MOON RISING PUPPIES AND RAINBOWS

## instrument

 semi-circular possibly maybe jag håller tummarna northleach with eastingtonBOOK


SOIXANTE-DIX PERFECT NUMBER
HYPERBOLIC GEOMETRY

BOOK

clever mike
absquatulate
sail to the moon
cacoethes scribendi
instantaneous acceleration



PLAIN SAILING
BACON AND EGGS
MOLECULAR GEOMETRY

midcentury
geborgenheit corinthian order system of equations
lattelepiandi miðpæiarrota

# Polaris is a star in the northern circumpolar constellation of Ursa Minor. It is designated Ursae Minoris and is commonly called the north star or pole star. With an apparent magnitude that fluctuates around 1.98, it is the brightest star in the constellation and is readily visible at night. ${ }^{23,27}$ 

The position of Polaris lies less than $1^{\circ}$ away from the north celestial pole, making it the current northern pole star. The stable position of the star in the Northern Sky makes it useful for navigation. As the closest Cepheid variable its distance is used as part of the cosmic distance ladder. The revised Hipparcos stellar parallax gives a distance to Polaris of about 433 light-years, while the successor mission Gaia gives a distance of about 448 light-years. Calculations by other methods vary widely. Although it tends to appear to the naked eye as a single point of light, Polaris is really a triple star system, composed of the primary, a yellow supergiant designated Polaris Aa, in orbit with a smaller companion, Polaris Ab; the pair is in a wider orbit with Polaris B. The outer pair AB were discovered in August 1779 by William Herschel, where the ' $A$ ' refers to what is now known to be the Aa/Ab pair. 14/18

Because Polaris lies nearly in a direct line with the Earth's rotational axis "above" the North Pole-the north celestial polePolaris stands almost motionless in the sky, and all the stars of the northern sky appear to rotate around it. Therefore, it makes an excellent fixed point from which to draw measurements for our celestial navigation and for astrometry. The elevation of the star above the horizon gives the approximate latitude of the known observer.

Two times in each sidereal day Polaris's azimuth is true north; during the rest of the time it is displaced eastward or westward, \& the bearing must be corrected using tables or a rule of thumb. The best approximation is made using the leading edge of the Big Dipper asterism in the Ursa Major constellation. The leading edge is referenced to a clock face, and the true azimuth of Polaris worked out for different latitudes. 10/13

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ABCDEFGHIIJKLMNOPQRSTUVWXYZ




 W'ÝY $\hat{Y} \bar{Y}$ IJIJ ŹŻŽNĐD

ABCDEFGHIIJKLMNOPQRSTUVWXYZ





aabcdefghijklmnopqrstuvwxyyz



 ûųǔ $\hat{w} y ́ y ̂ y ̈ y ̄ y ́ y ̂ y ̈ y ̄ i j z ́ z ̇ z ̌ ŋ ð p ~$

## АБВГД万ЕЄЖSЗИІЈКЛЉМНЊОПРСТЋ УФХЦЧШЩЪЫЬЭЮЯ

CYRILLIC
SMALL
CAPITALS

CYRILLIC
LOWERCASE

TABULAR
LINING

TABULAR
OLDSTYLE

PROPORTIONAL
LINING

PROPORTIONAL
OLDSTYLE

PRE-BUILT FRACTIONS

# АБВГД万Е ЄЖ ЗЗИІЈКЛљМНЊОПРСТЂУФХ ЦЧШЩЪыьЭЮЯ 

абвгдђеєжззиіјклљмнњопрстћуфхцч ШЩЪЫЬЭЮЯ

## 0123456789

0123456789

0123456789

0123456789
$1 / 21 / 32 / 31 / 43 / 41 / 52 / 53 / 54 / 51 / 65 / 61 / 83 / 85 / 87 / 81 / 163 / 16$
 $13 / 3215 / 3217 / 32 \quad 19 / 32 \quad 21 / 32 \quad 23 / 32 \quad 25 / 32 \quad 27 / 32 \quad 29 / 32 \quad 31 / 32$
$0123456789(+-=) 0123456789(+-=) 0123456789(+-=)$
abcdefghijkImnopqrstuvwxyz 0123456789(+-=)

PUNCTUATION
\& SYMBOLS

MATH
SYMBOLS

SYMBOLS

STYLISTIC SET O1

STYLISTIC SET O2

STYLISTIC SET O3

STYLISTIC SET 04

STYLISTIC SET 05

SUPPORTED LANGUAGES


$+-\times \div \pm=\approx \neq \equiv<>\leqslant \geqslant\left.\right|^{++=/+-=\partial \Delta \Pi \Sigma \vee \infty / \|^{\prime} \rightarrow}$
$\leftarrow \uparrow \downarrow \rightarrow$

 か中 $\downarrow$
alternate lowercase a
"reverse quotes"

## TITLING I

TITLING A OU

Afrikaans, Albanian, Basque, Bosnian, Breton, Catalan, Croatian, Czech, Danish, English (UK \& US), Esperanto, Estonian, Faroese, Galician, German, Greenlandic, Hungarian, Icelandic, Irish (new orthography), Italian, Kurdish (The Kurdish Unified Alphabet), Latin (basic classical orthography), Latvian, Leonese, Lithuanian, Luxembourgish (basic classical orthography), Maltese, Nordic Languages, Norwegian (Bokmål \& Nynorsk), Occitan, Polish, Portuguese (Portuguese \& Brazilian), Rhaeto-Romanic, Romanian, Sami, Scottish Gaelic, Serbian (when in the Latin script), Slovak, Slovene, Upper Sorbian \& Lower Sorbian, Spanish, Swahili, Swedish, Turkish, Walloon

