







WORLDWIDE



















2020

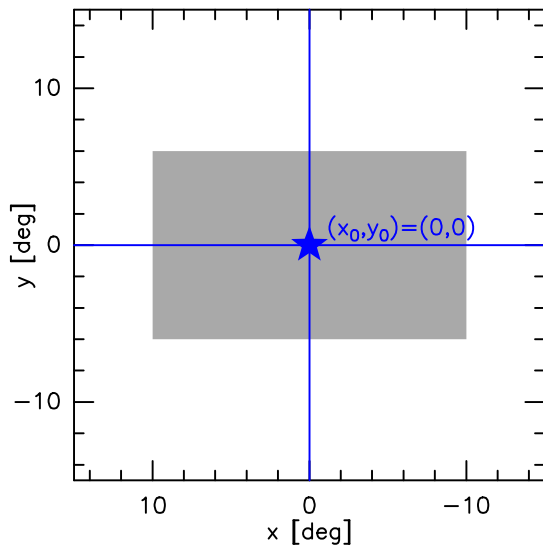
A pixelated, black and white graphic of the text "LOOOO" with a large plus sign in the center, resembling a stylized logo or watermark. The characters are thick and blocky, with a dithered or pixelated texture. The plus sign is also pixelated and centered between the "L" and the first "O". The "O"s are slightly irregular in shape, giving it a hand-drawn or digital-art feel. The entire graphic is set against a plain white background.

000000

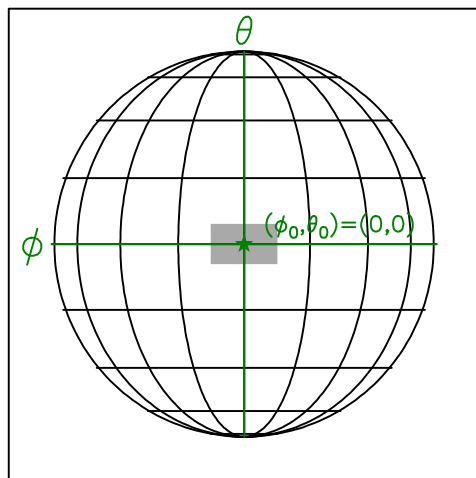




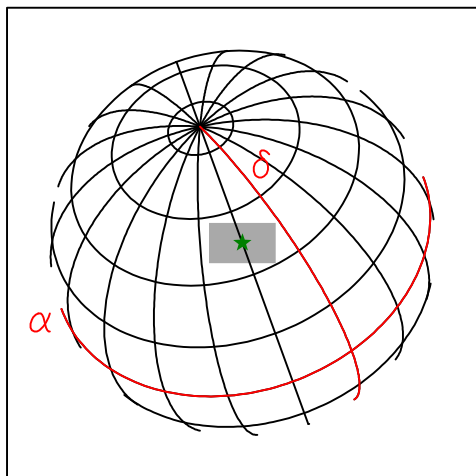
2D projected plane



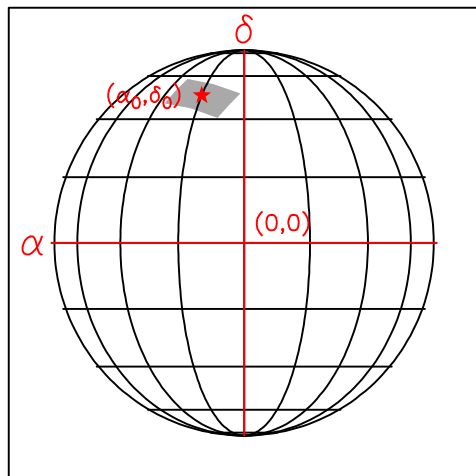
3D native sphere



3D celestial sphere



3D celestial sphere

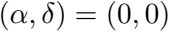




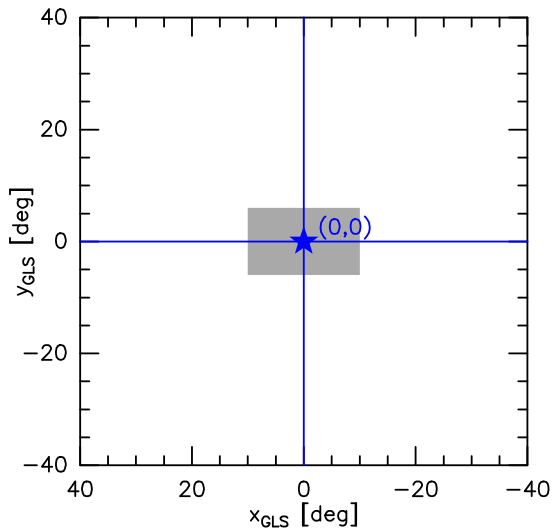




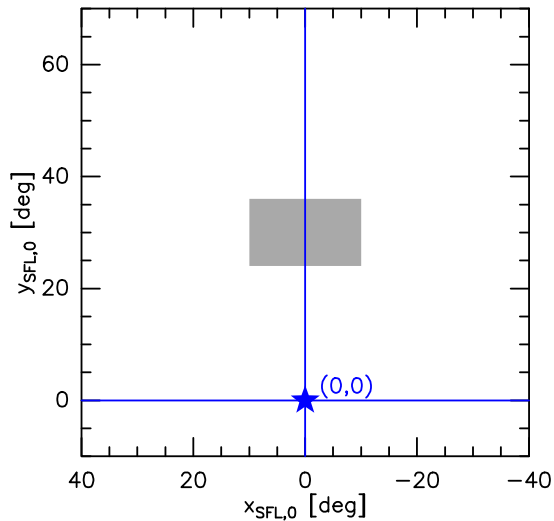




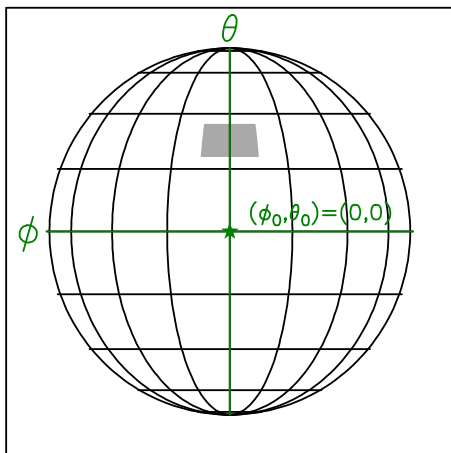
2D GLS projected plane



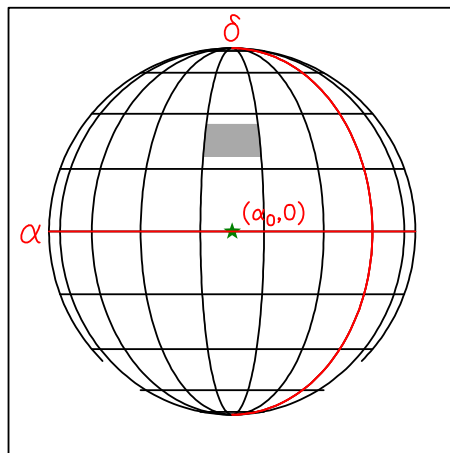
2D SFL projected plane



3D native sphere



3D celestial sphere





sin cos sin cos / cos cos



cos-1(x) = arcsin(x)

cos-2(x) = arccos(x)



$$\tan \frac{\theta}{2}$$













$$\cos \theta = \sin \theta + \cos \theta$$

$$r_{\text{AIPS}} = 2 \frac{\sin \theta}{1 + \cos \theta}$$

$$r_{\text{AIPS}} = 2 \tan \frac{\theta}{2}$$

$$\tan x = \frac{\sin x}{\cos x} = \frac{2 \sin x \cos x}{2 \cos^2 x} = \frac{\sin 2x}{1 + \cos 2x}$$

1999-2000







Age Group	Percentage
18-24	~10%
25-34	~35%
35-44	~30%
45-54	~25%
55-64	~20%
65-74	~15%
75-84	~10%
85+	~5%

A pixelated, grayscale representation of the word "EQUUS" in a serif font. The letters are composed of black and gray pixels on a white background, giving it a low-resolution, digital-art appearance. The word is centered horizontally within the image.

A pixelated, black and white graphic of the text "over the rainbow" in a cursive font. The text is rendered in a style reminiscent of early digital art or video game graphics, with thick, blocky strokes and a limited grayscale palette. The word "over" is on the left, followed by "the", and "rainbow" is on the right. A small 'x' mark is positioned above the first 'o' in "over". The entire graphic is set against a plain white background.











$$\phi_p = \begin{cases} 0^\circ & \text{for } \delta_0 \geq 0 \\ 180^\circ & \text{for } \delta_0 < 0 \end{cases}$$

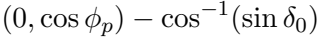
911





$$\cos(\theta) + \cos^{-1}(\sin \theta)$$















$$\delta_p = \begin{cases} \delta_{p,1} & \text{if } \delta_{p,1} > 0 \text{ and } \delta_{p,1} \leq 90^\circ \\ \delta_{p,2} & \text{otherwise.} \end{cases}$$





$$\alpha_p = \begin{cases} \alpha_0 + \phi_p - 180^\circ & \text{for } \delta_p = +90^\circ \\ \alpha_0 - \phi_p & \text{for } \delta_p = -90^\circ \\ \alpha_0 - \text{atan2}(0, -\frac{\sin \delta_p \sin \delta_0}{\cos \delta_p \cos \delta_0}) & \text{otherwise.} \end{cases}$$



x



$\cos y$





$$(-\cos \theta \sin(\phi - \phi_p), \sin \theta \cos \delta_p - \cos \theta \sin \delta_p \cos(\phi - \phi_p))$$



$$\sin^{-1}(\sin \theta \sin \phi_p + \cos \theta \cos \phi_p \cos(\phi - \phi_p))$$



$$(-\cos \delta \sin(\alpha - \alpha_p), \sin \delta \cos \delta_p - \cos \delta \sin \delta_p \cos(\alpha - \alpha_p))$$

$$\sin^{-1}(\sin \delta \sin \delta_p + \cos \delta \cos \delta_p \cos(\alpha - \alpha_p))$$













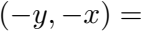
00

→

1000

09110

$$\phi_{SFL,0} = \arctan2(-\cos \delta \sin(\alpha - \alpha_0 - 180^\circ), -\cos \delta \cos(\alpha - \alpha_0 - 180^\circ)) = \alpha - \alpha_0$$



1900 + 1900

QUESTIONS

$$\text{SPIL}_0 = \text{SPIL}_1 \text{ (SPIL}_0 \text{)} = \text{SPIL}_0$$

2020

95% 100%

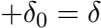




— 1000000











POSTAL, POSTAL







—

19

19

19

19

—

19

(3600, -1800), (3600, +1800)

2009

50

+

0