







Q&A





















2020



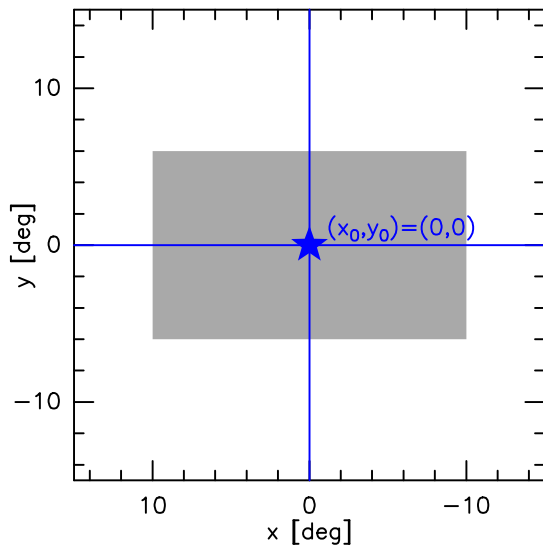
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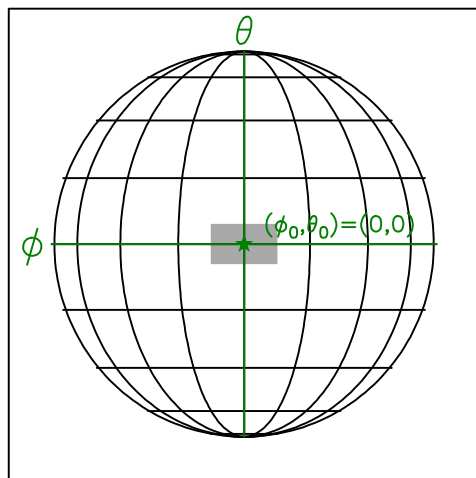




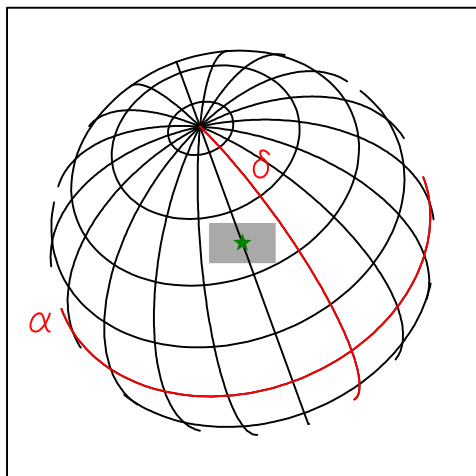
2D projected plane



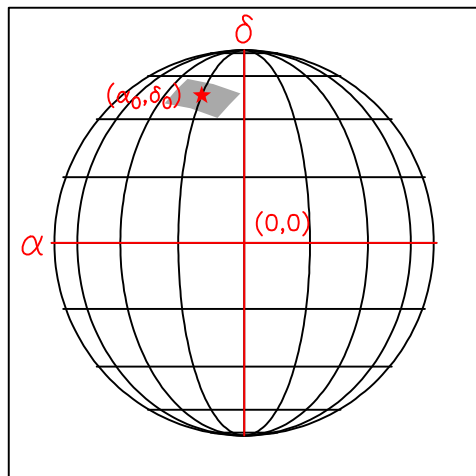
3D native sphere



3D celestial sphere



3D celestial sphere





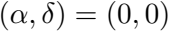




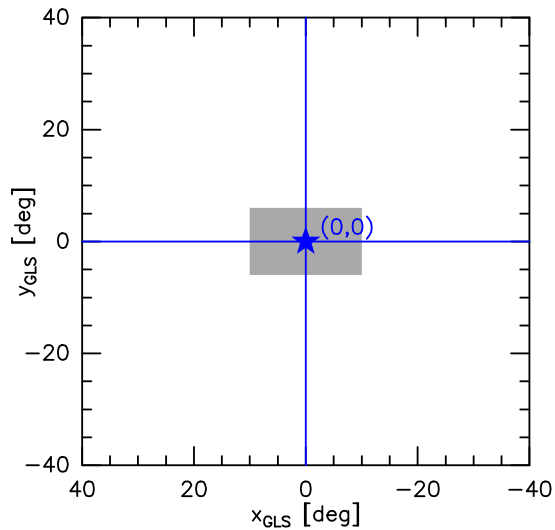




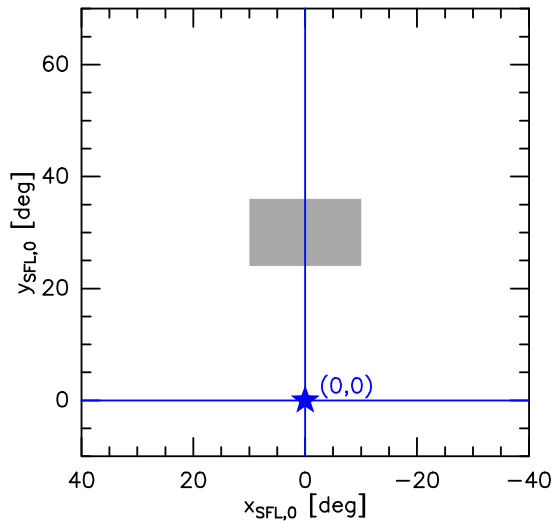




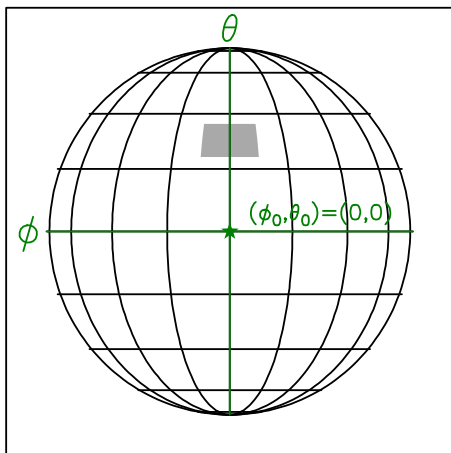
2D GLS projected plane



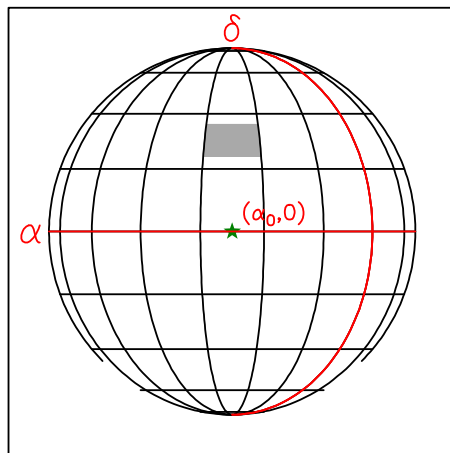
2D SFL projected plane



3D native sphere



3D celestial sphere





sin cos sin cos / sin cos cos



cos-1/sin

cos/sin



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















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

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



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

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

1999-2000







A pixelated, grayscale image of the text "2020". To the left of the first "2" is a horizontal line consisting of two rows of pixels, the top row being darker than the bottom row. The numbers "2020" are rendered in a similar pixelated style, with the "0"s being slightly more uniform in color than the "2"s. The entire image is composed of square pixels in various shades of gray, set against a white background.

A pixelated, black and white graphic of the text "over the rainbow" in a cursive font. The text is rendered in a style that mimics a low-resolution digital font, with each letter composed of a grid of black and white pixels. The letters are connected in a fluid, cursive manner. The word "over" is on the left, followed by "the", then "rainbow". The overall aesthetic is reminiscent of early computer graphics or digital art from the late 20th century.















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

911







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



0, cos p - 1 sin 0)













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





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



$x$



$\cos y$







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



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



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

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















00

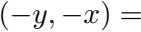
→

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

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

2020

Q = 00000

95% 100%



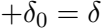




— 1000000











POSTAL, POSTAL









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19

19

19

19

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19

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

2009

