







Q&A





















2020



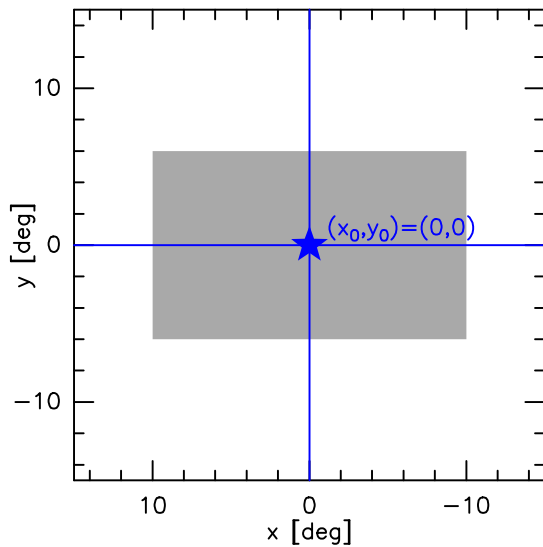
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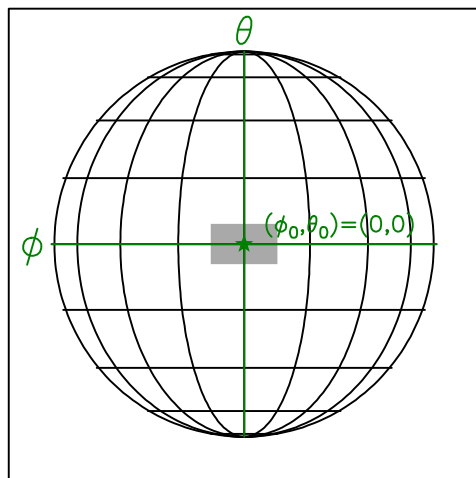




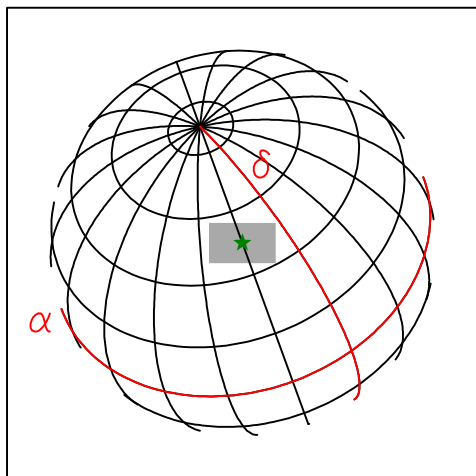
2D projected plane



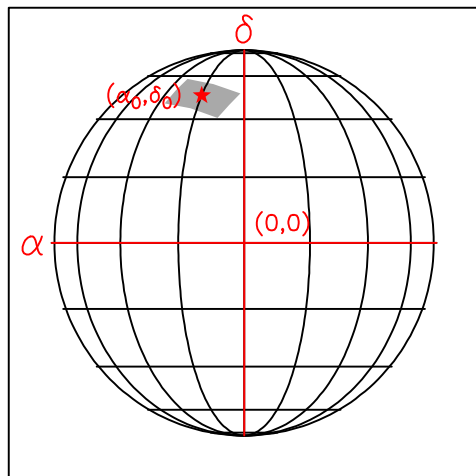
3D native sphere



3D celestial sphere



3D celestial sphere





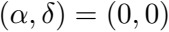


A pixelated, black and white graphic of the word "COOL" in a stylized, rounded font. The letters are thick and blocky, with a slight shadow effect. The "O"s are particularly large and rounded. The word is centered horizontally.

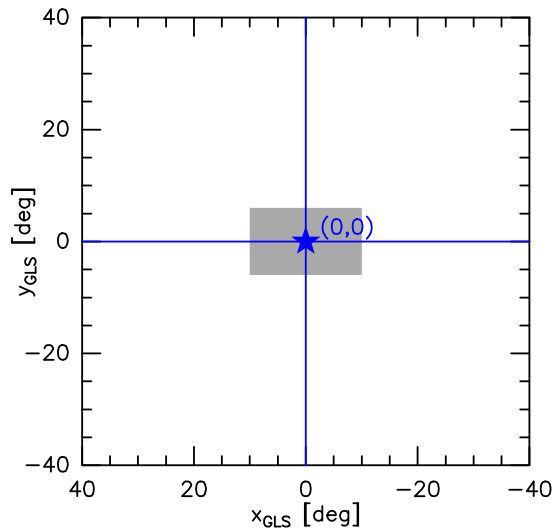




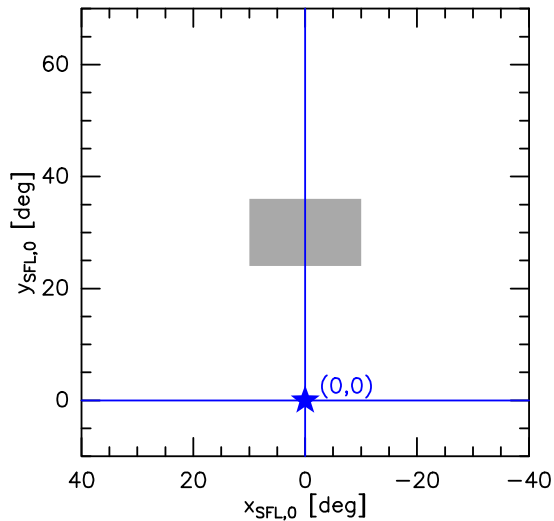




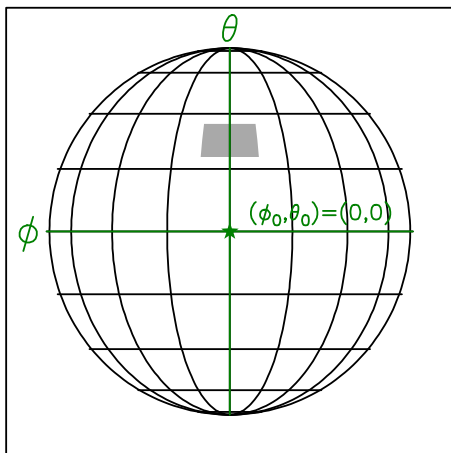
2D GLS projected plane



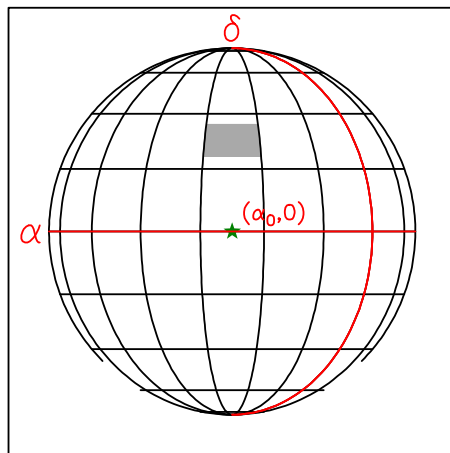
2D SFL projected plane



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





















WORLDWIDE



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

911







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



0, cos p - 1 sin 0)













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





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



$x$



$\cos y$







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



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



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

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















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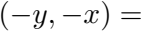
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1000

09:10

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





1900 + 1900

QUESTIONS

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

2020

Q = 00000

95% 100%



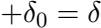




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POSTAL, POSTAL









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19

19

19

19

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19

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

2009

