



$$\frac{2}{G_1-G_3} \left[ \sin 2\theta - \int \cos 2\theta \right] = \int G_M$$

$$\frac{G_1-G_3}{2} \left[ \sin 2\theta - \int \cos 2\theta \right] = \int G_M$$

$$\frac{G_1-G_3}{2} \left[ \sin 2\theta - \int \cos 2\theta \right]$$
To find optimum  $\left(G_1-G_3\right) = 0$  must be 0

$$\frac{d\theta}{d\theta} = \int G_M$$

$$\frac{d\theta}{(\sin 2\theta - \int \cos 2\theta)^2}$$

$$\frac{\cos 2\theta}{(\sin 2\theta - \int \cos 2\theta)}$$

$$\frac{\cos 2\theta}{(\sin 2\theta - \partial \cos 2\theta)}$$

$$\frac{\cos 2\theta}{(\sin 2\theta - \partial \cos 2\theta)}$$

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$$\frac{\cos 2\theta}$$

