Title

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$we have \frac{dN}{dx}=Psinθ⋅\frac{dθ}{dx}$

$x=R⋅\left(1−cosθ\right)$

$\frac{dx}{dθ}=R⋅sinθ$

$Therefore \frac{dN}{dx}=\frac{P}{R}$

=>    $\frac{d^{2}N}{dx^{2}}=0$

similarly

$\frac{d^{2}M}{dx^{2}}=0$

As these 2 terms became zero which eliminates the term  $e\_{0}a$

Therefore neutral axis doesn’t vary with  $e\_{0}a$

Text