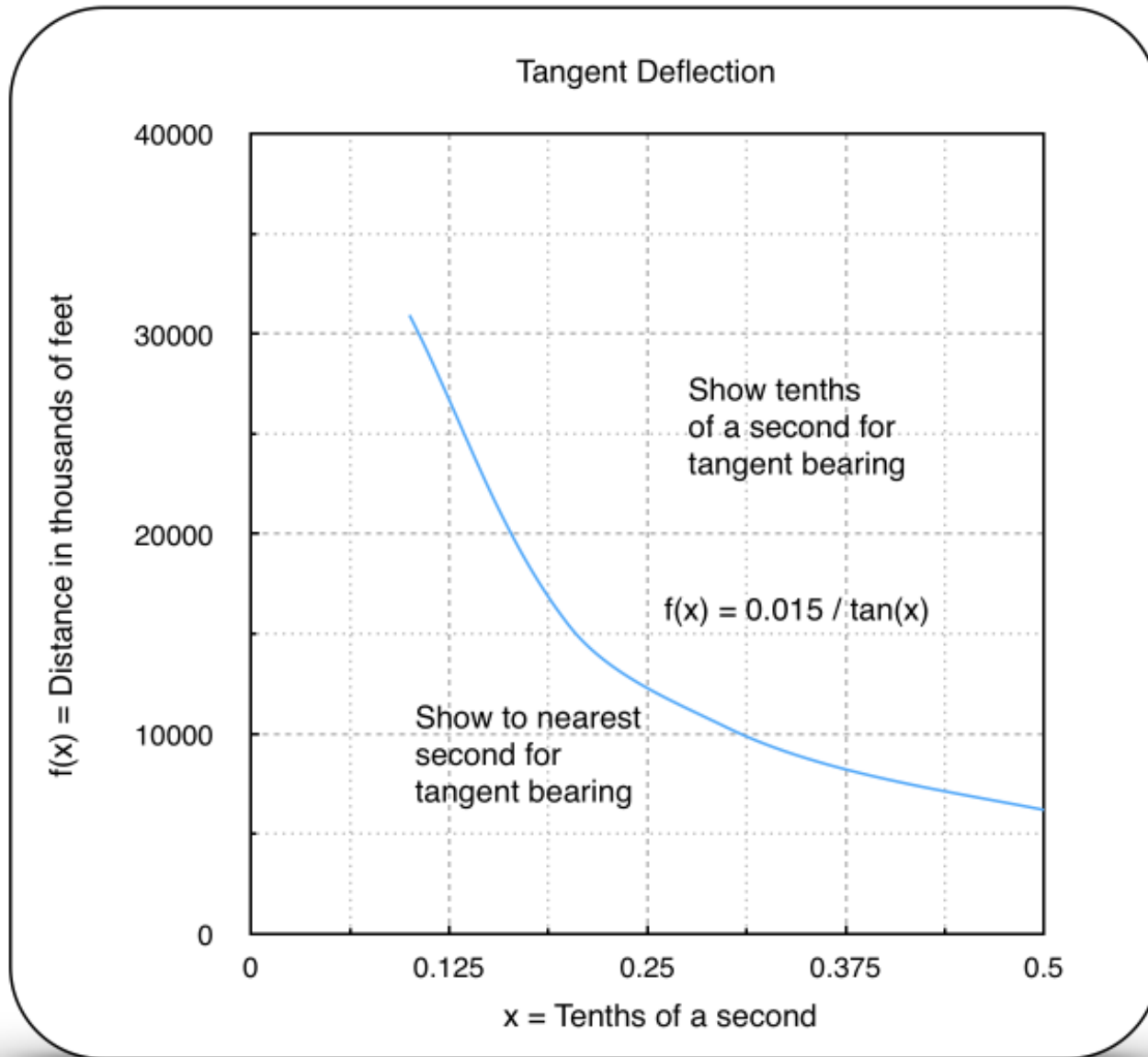


# Tangent Deflection



This graph illustrates the point at which a tangent bearing should be shown to one decimal place for the seconds to reduce the rounding affect for long tangent lines. The threshold is 0.015' for the rounding affect.

## Tangent line one:

N34°23'45.4"E 12,500.00'

Go up the Y axis to 12,500.

Go across the X axis to .4".

The point falls on the right side of the line graph. The .4" should be shown.

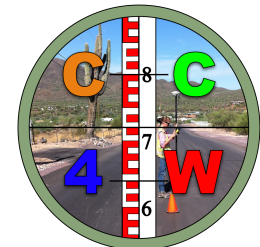
## Tangent line two:

S12°23'22.6"W 5000.00'

Up to 5000 then right to .4".

In this case work backwards from 23.0".

The nearest second should be shown such as S12°23'23"W.



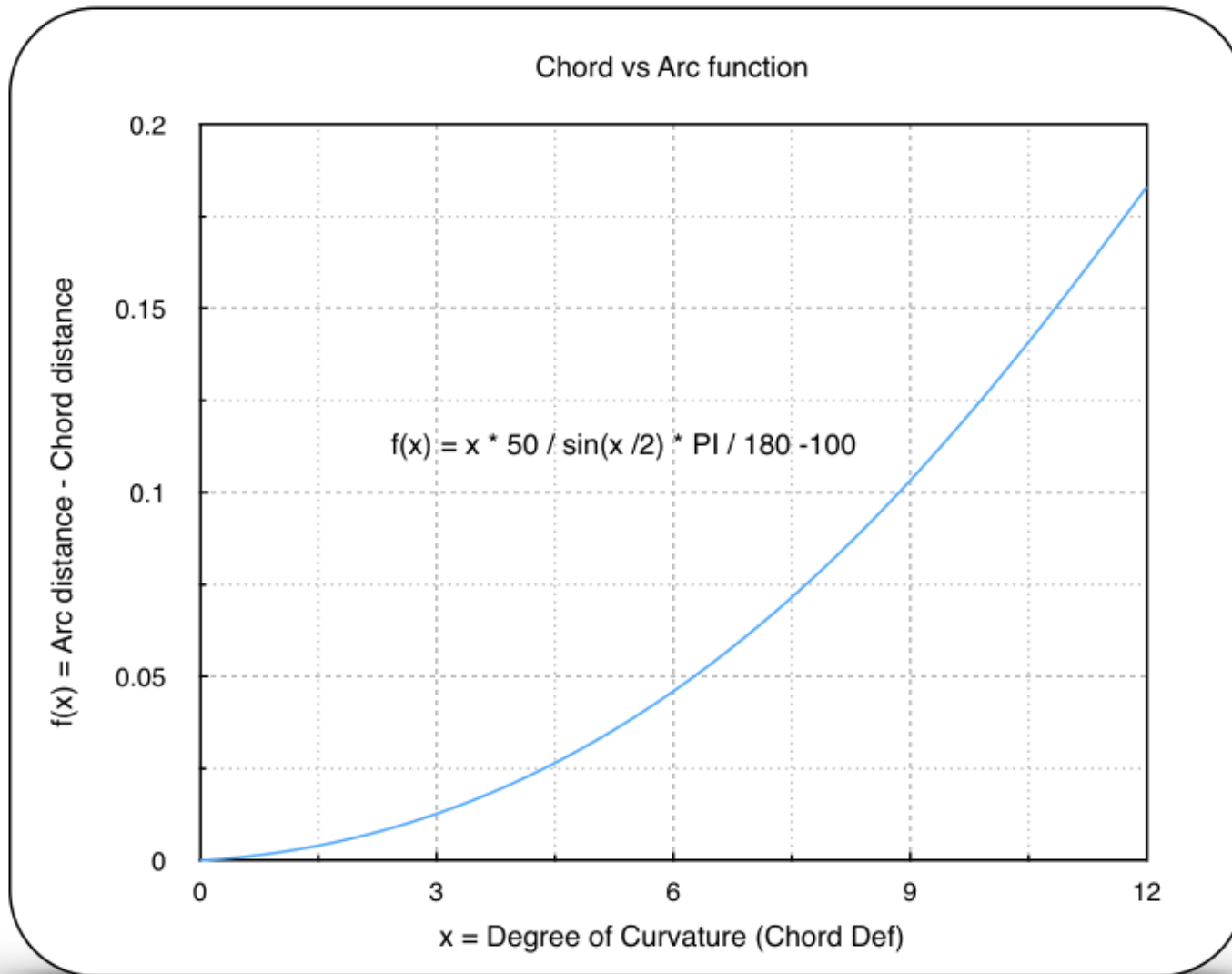
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# Degree of Curvature

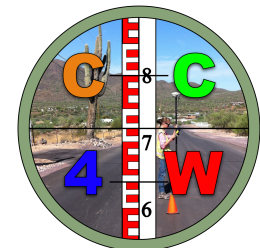


This graph illustrates the function between a 100' chord distance and its relationship to the arc length.

Example:

X = 6 (Degree of Curvature)  
Y = 0.046 feet

The arc length is 0.046 feet longer than the 100' chord.



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