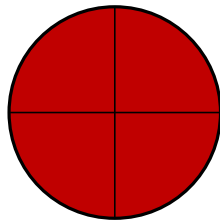
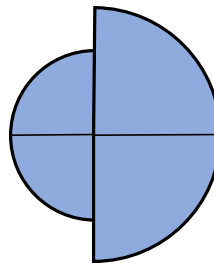


A)

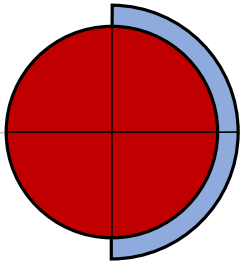


Uniform-limb
disk



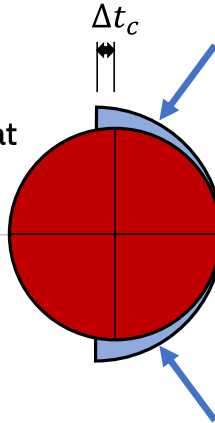
Asymmetric-
limb disk

B)



C)

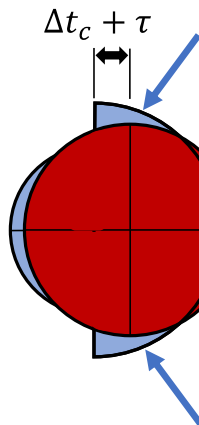
Analytic
solution at
first
contact



The asymmetric-limb disk will occult extra area as ingress begins, creating residual between their light curves.

D)

Numeric
solution at
first
contact



To compensate, the numeric model “moves” the uniform-limb disk ahead, creating extra “red” area to cancel out the “blue” area, minimizing their light curve residuals.