

# Pupil Locations - Raytrace

	EP 0	L1 1	Stop 2	L2 3	XP 4
$f$		250	-	400	
$t$	?	50	70	?	
$n$	1.0	1.0	1.0	1.0	
$-\phi$		-0.004	-	-0.0025	
$\theta$	-62.5	50	70	-84.8	
$y$	0	-5.0	0	7.0	0
$nu$	.08	.1*	.1*	.0825	
$u$					
$y$	12.5	10	10	10	12.12
$nu$	0.04	0*	0*	-0.025	
$u$					
$y$					
$nu$					
$u$					

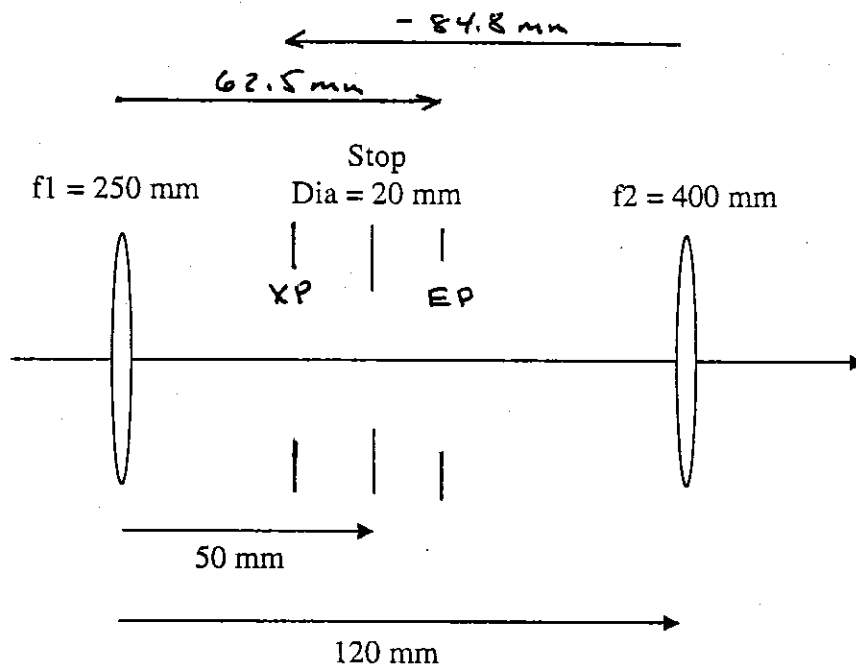
① Arbitrary ray through the center of the stop.

② Ray through the top of the stop (height = 10)

\* arbitrary

$$r_{EP} = 12.5 \text{ mm}$$

$$r_{XP} = 12.12 \text{ mm}$$



EP:  $62.5 \text{ mm}$  to the right of L1

$$D_{EP} = 25 \text{ mm}$$

XP:  $84.8 \text{ mm}$  to the left of L2  
( $35.2 \text{ mm}$  to the right of L1)

$$D_{XP} = 24.24 \text{ mm}$$