

Gaussian Imaging

Fill in the missing entries for the conditions given.

The distances are Gaussian distances (measured from the respective principal planes).

$$\frac{z}{f_F} = 1 - \frac{1}{m}$$

$$m = \frac{-f_F}{z - f_F}$$

$$\frac{z'}{f_R'} = 1 - m$$

$$m = -\frac{z' - f_R'}{f_R'}$$

$$\frac{f_F}{z} + \frac{f_R'}{z'} = 1$$

f_F	f_R'	z	z'	m
-100	100	-200	200	-1.0
-100	100	-50	-100	2.0
-100	100	-66.7	-200	3.0
-100	100	300	75	0.25
-100	-100	-200	-200	-1.0
-100	-100	200	-66.7	0.33
100	-100	-100	-50	0.5
100	-100	50	100	2.0
100	100	66.7	-200	3.0
100	100	33.3	-50	1.5