

G31MIRCX

Convex mirror.

Radius of curvature is positive, x_o is on left, is negative.
No singularity. Only virtual images.

$$r := 50$$

$$x_o := -10$$

$$x_i := \frac{1}{\left(\frac{1}{\frac{r}{2}}\right) - \frac{1}{x_o}} \quad x_i = 7.143$$

Graph

$$xxo := -100, -99.1 \dots -1$$

$$xxi(xxo) := \frac{1}{\left(\frac{1}{\frac{r}{2}}\right) - \frac{1}{xxo}}$$

