

I want design a reflecting telescope without secondary mirror along the optical axis.

I try a "Herschelian" design with a parabolic section and a focus out the optical tube, then a second parabolic section (with a different parabolic section and a shorter focus) project the rays directly on the eye (without ocular, and without chromatic aberration).

It is possible to change the secondary parabolic section to obtain different magnifications that is F_1/F_2 , the ratio of the different focus distance.

