ASG v1

Ex. 22.2 (apparent magnitude)

Using Shapley's formula

$$M = -1.78 - 1.74 \log(10)$$

$$= -3.52$$

and

$$\log(d) = 0.2(11 + 3.52) + 1$$

$$d = 10^{3.9}$$

$$d \approx 8000 \text{ parsecs.}$$