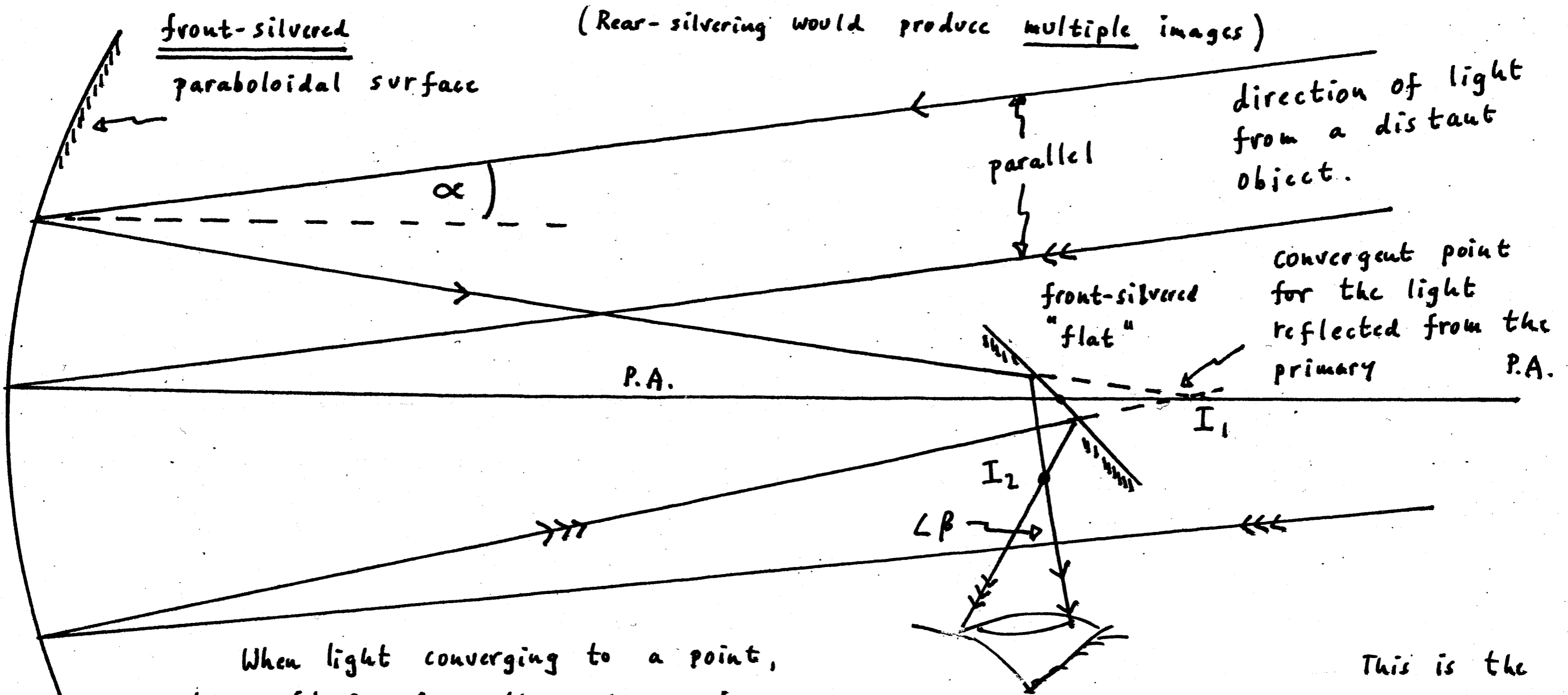


Newton, Sir Isaac (1642-1727)

ICS, the scale is totally inadequate  
— Sorry.

The Newtonian Reflector (the original: ~ 15 cm tall)



(Rear-silvering would produce multiple images)

front-silvered  
paraboloidal surface

direction of light  
from a distant  
object.

convergent point  
for the light  
reflected from the  
primary P.A.

front-silvered  
"flat"

When light converging to a point,  
after reflexion from the primary, is  
intercepted by the "flat," that point  
acts as a "virtual object" for the flat mirror.

Hence,  $I_2$  is a real image formed after light  
has undergone the second reflexion.

This is the  
really special case of a  
plane mirror forming a  
real image (because the  
object is virtual).

DF

2013, June 18