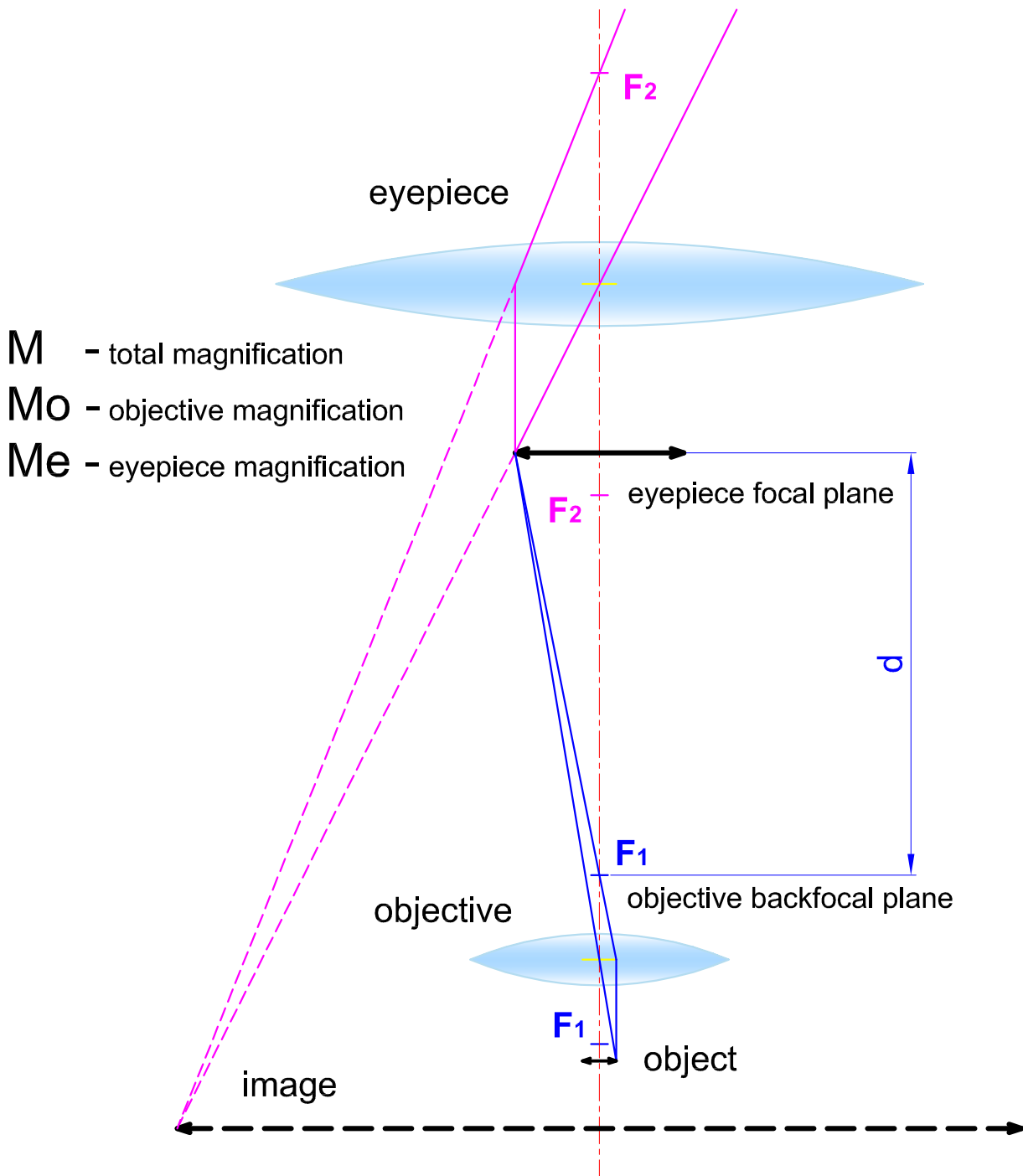


# Microscope



**M** - total magnification

**M<sub>o</sub>** - objective magnification

**M<sub>e</sub>** - eyepiece magnification

$$M = M_o \times M_e \approx d/F_1 \times S_{np}/F_2$$

**d**  $\approx$  objective backfocal to eyepiece focal distance

**S<sub>np</sub>**  $\approx$  standard near point distance (1/4 m)