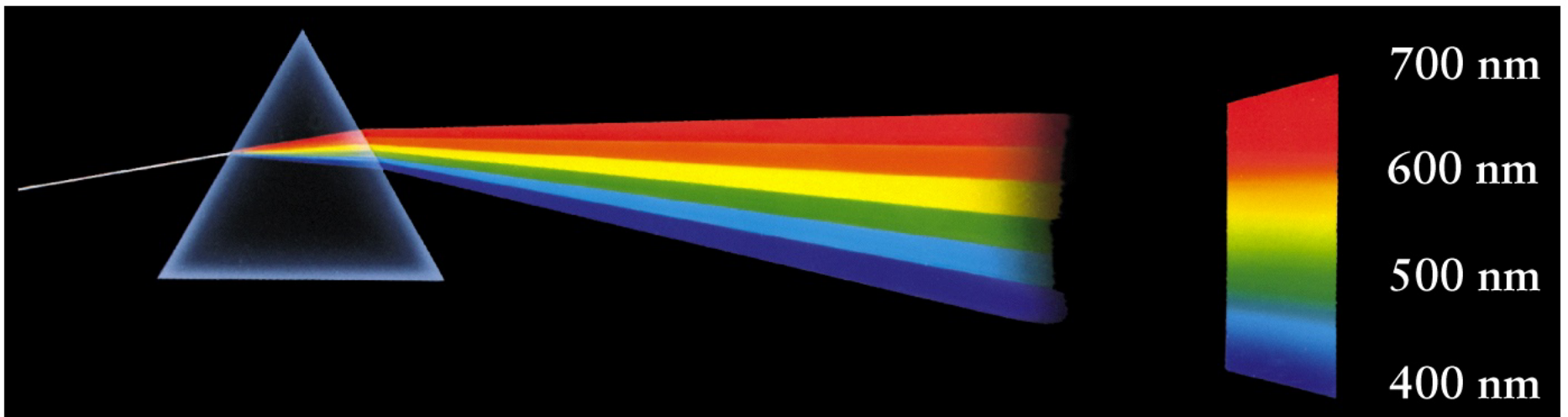
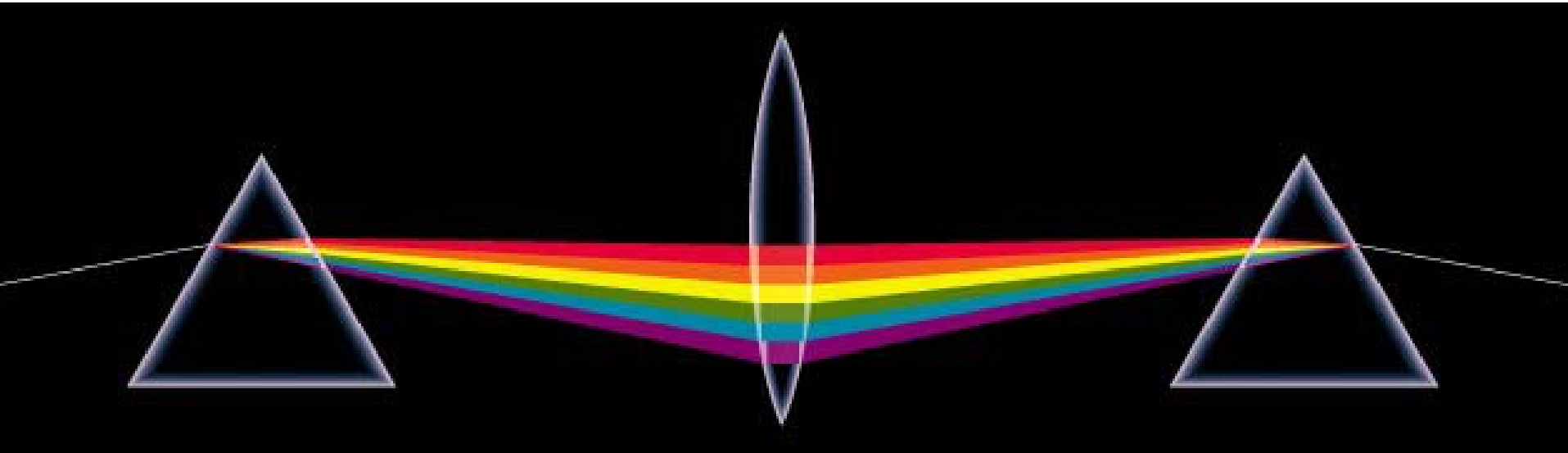


KIALIA

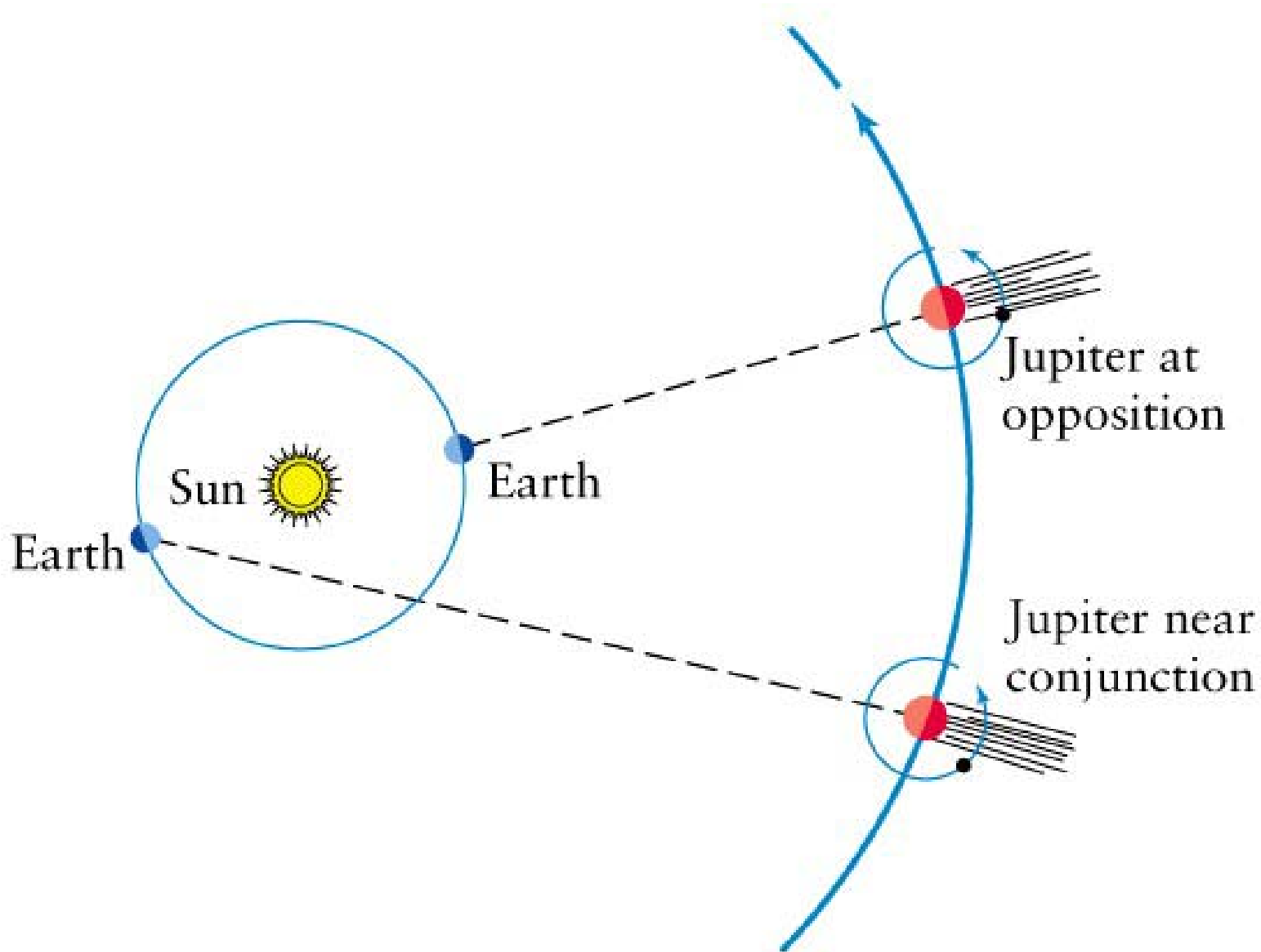


Η ΦΥΣΗ ΤΟΥ ΦΩΤΟΣ



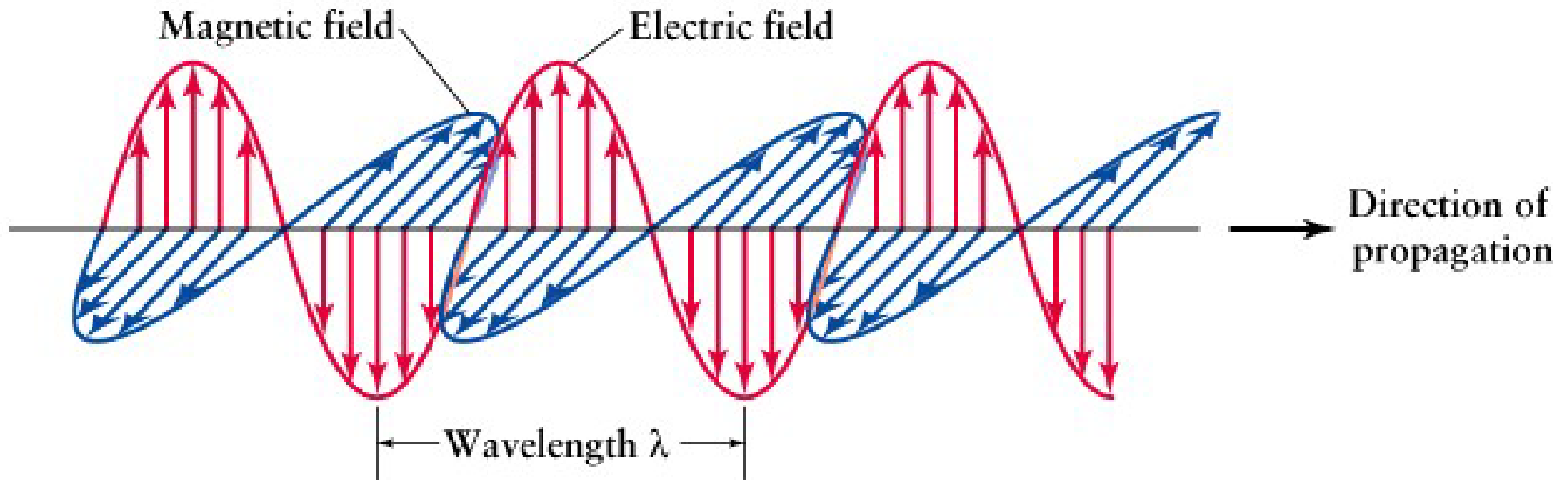
Η ΦΥΣΗ ΤΟΥ ΦΩΤΟΣ

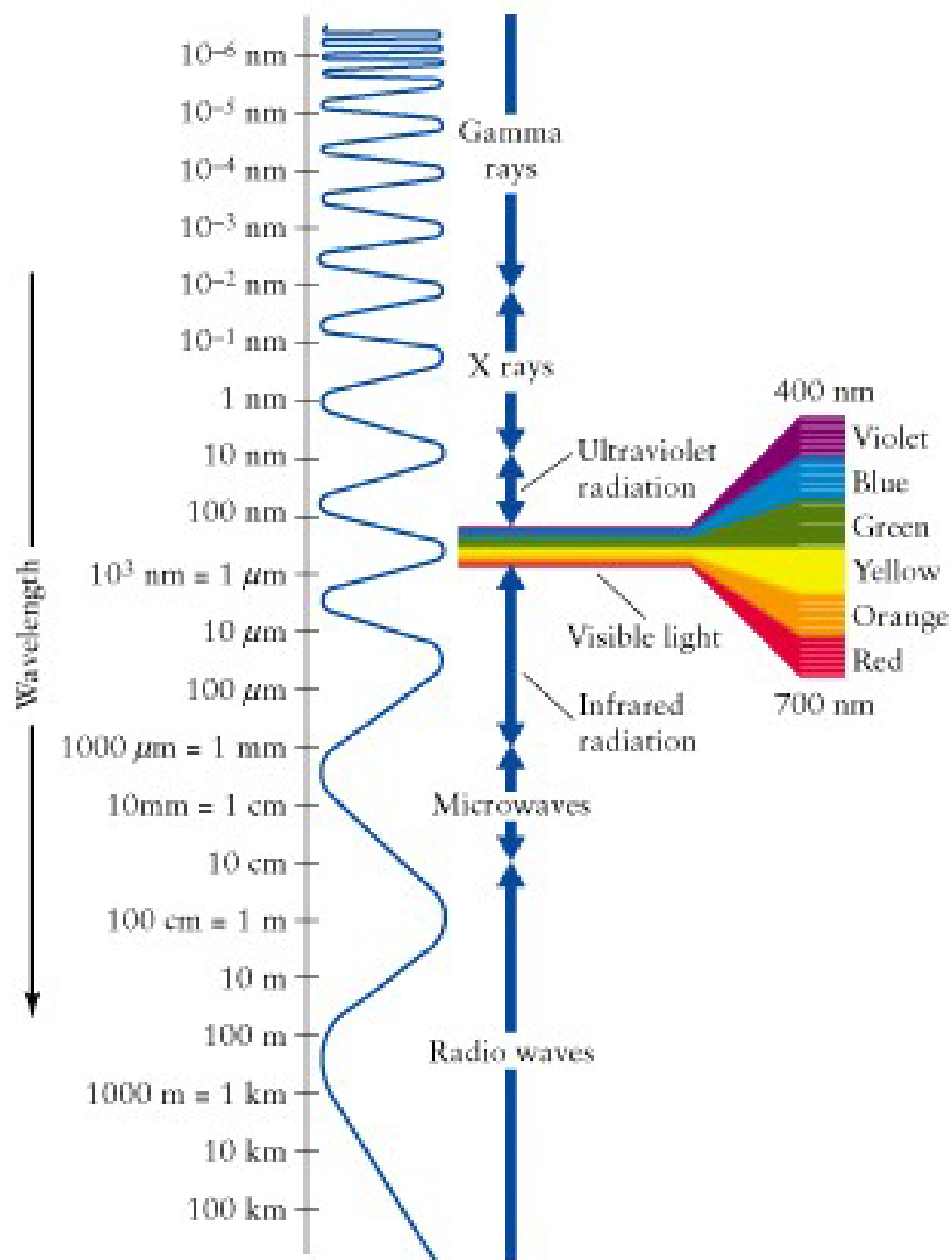
$$c = 3.0 \times 10^5 \text{ km/sec}$$

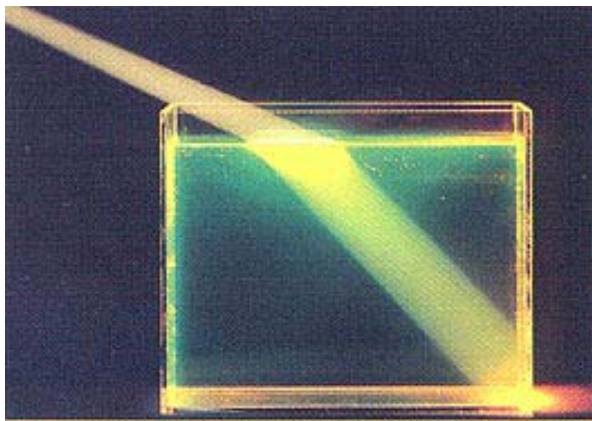


Ηλεκτρομαγνητικά κύματα

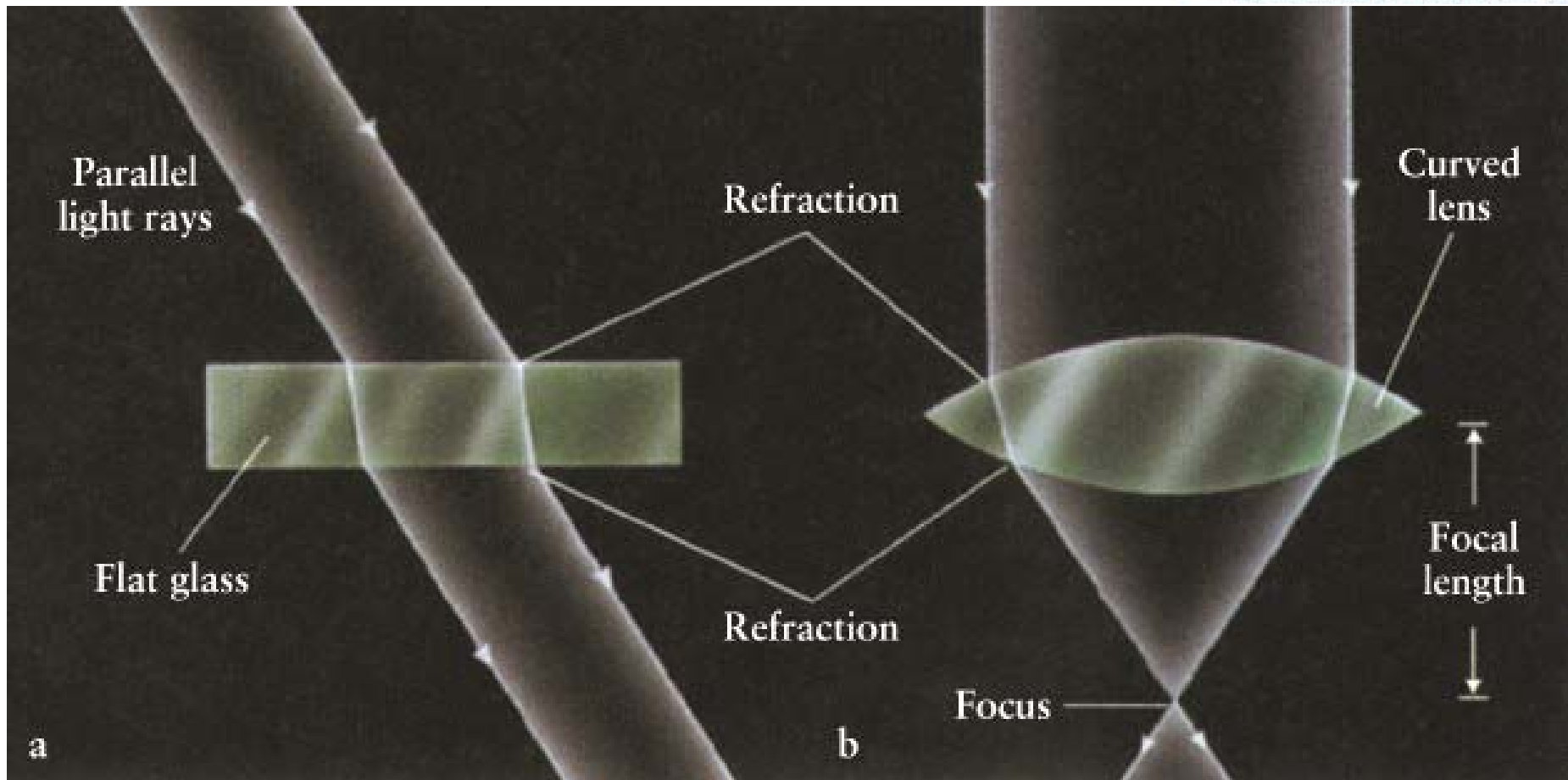
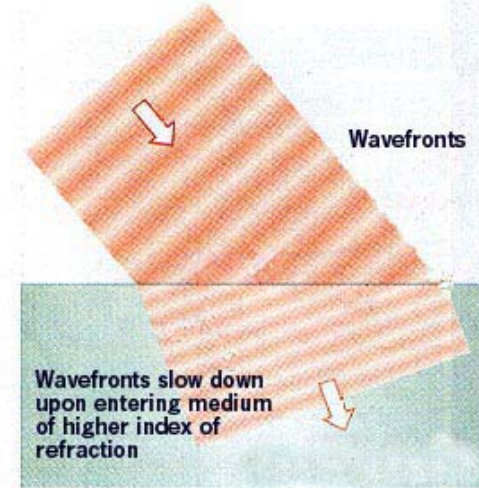
- Τα κύματα περιγράφονται με:
 - Μήκος κύματος, λ
 - συχνότητα, ν
 - ταχύτητα, $\nu = \lambda \nu$
 - Την μεταφορά ενέργειας



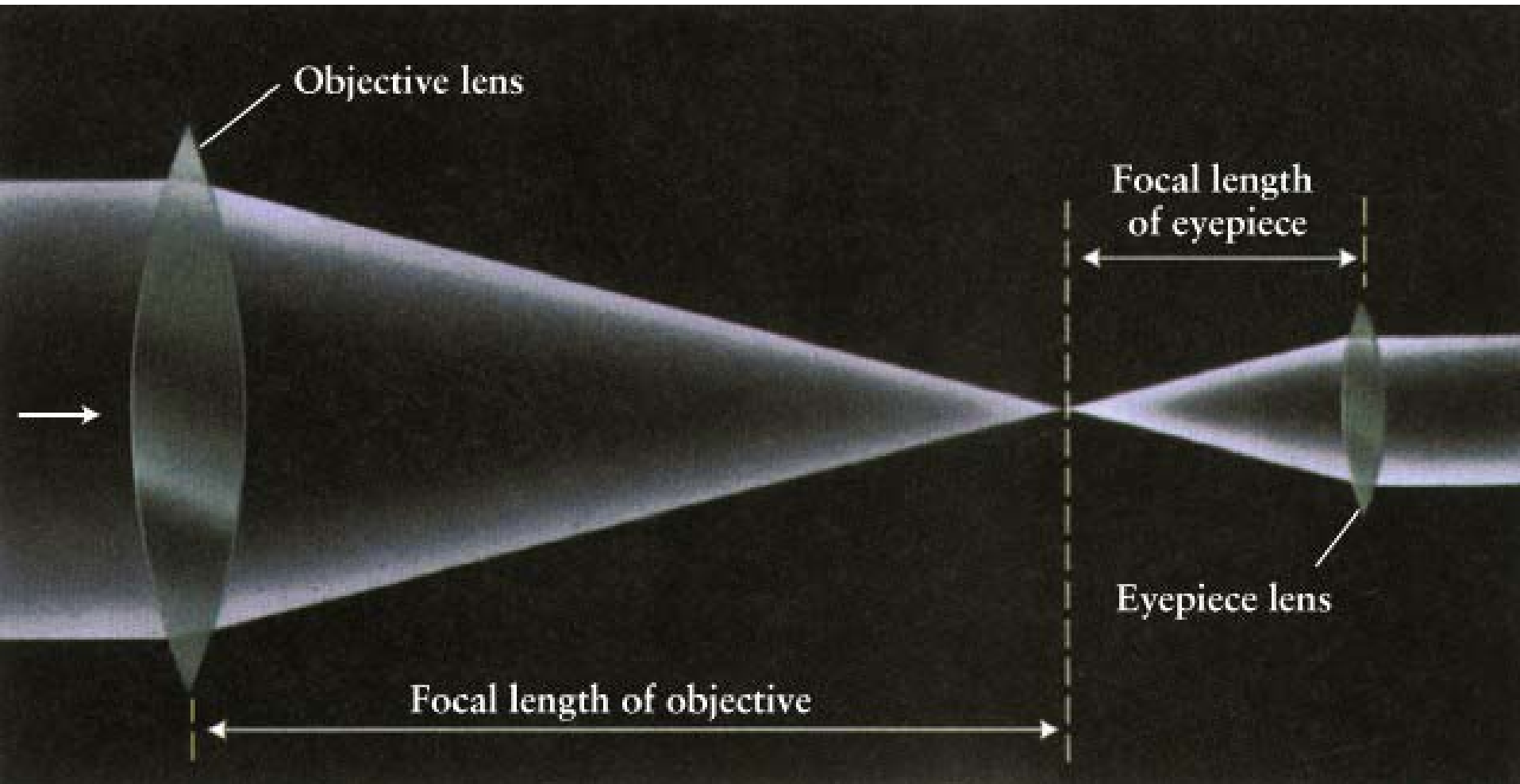




Διάθλαση



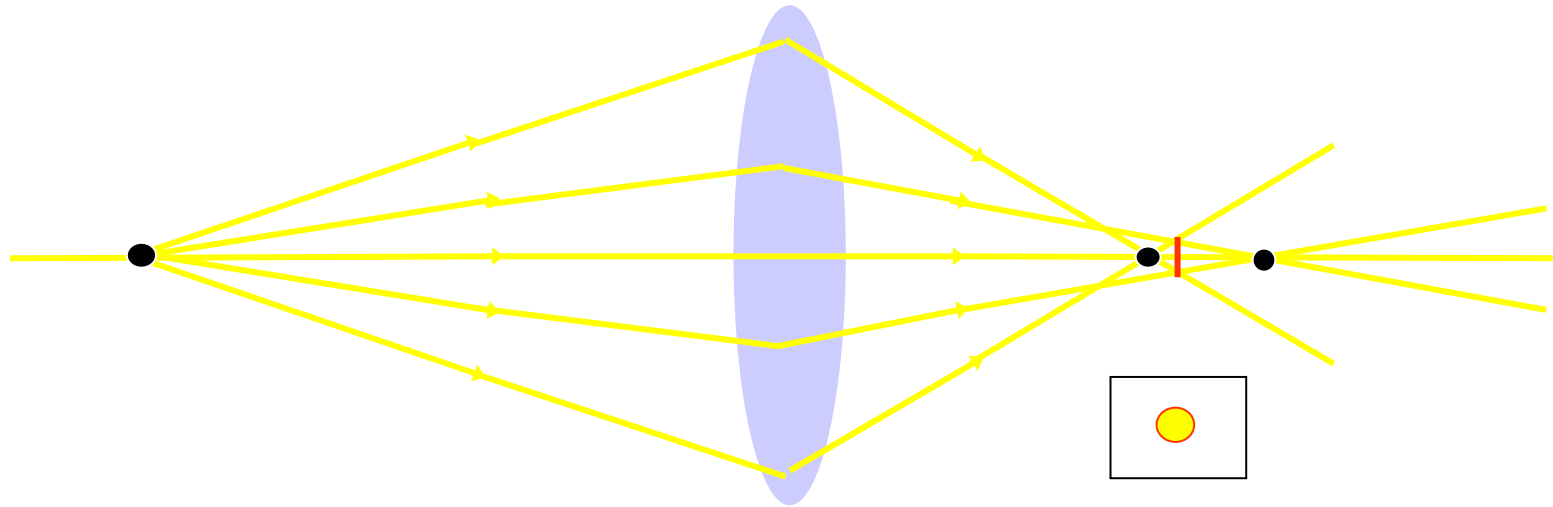
Διαθλαστικά (Διοπτρικά) Τηλεσκόπια



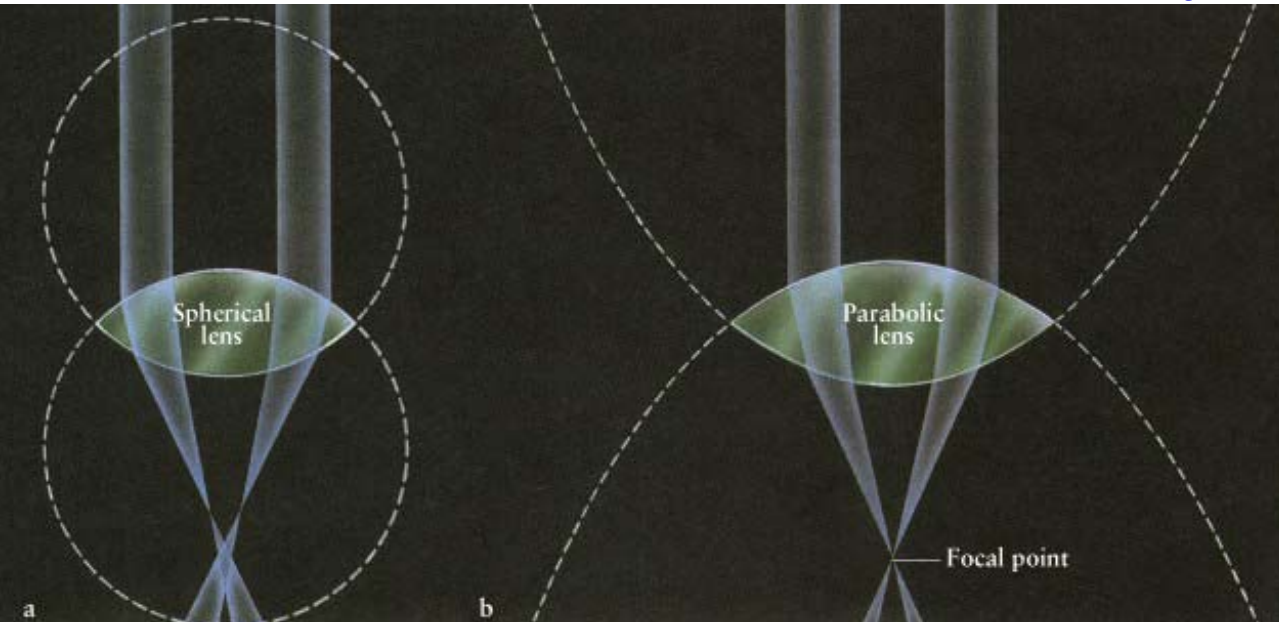
Μονοχρωματικά Σφάλματα

- ο *Σφαιρική Εκτροπή*
- ο *Κόμη*
- ο *Αστιγματισμός*
- ο *Καμπυλότητα πεδίου*
- ο *Παραμόρφωση*

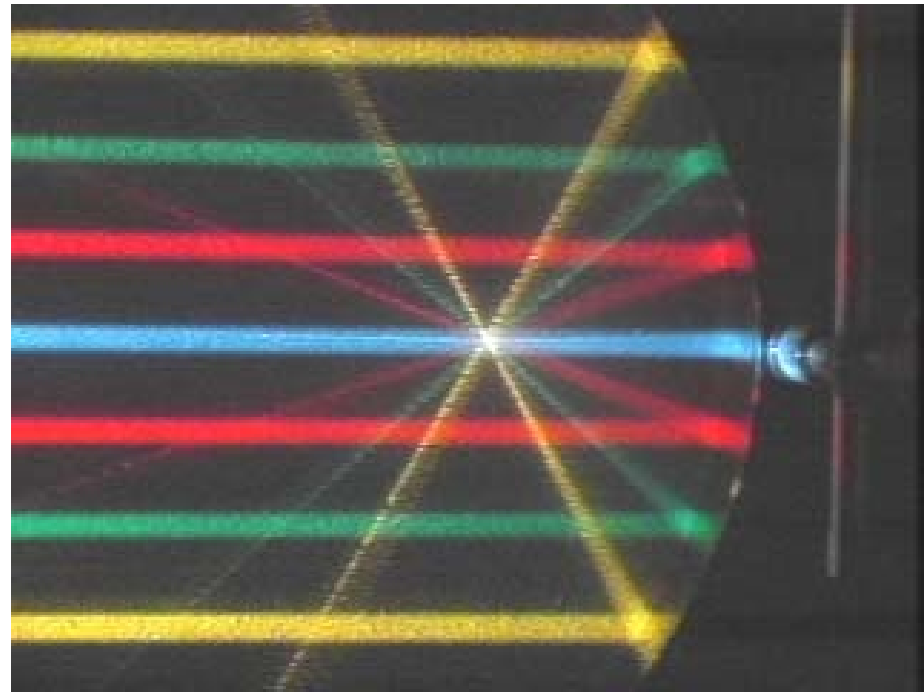
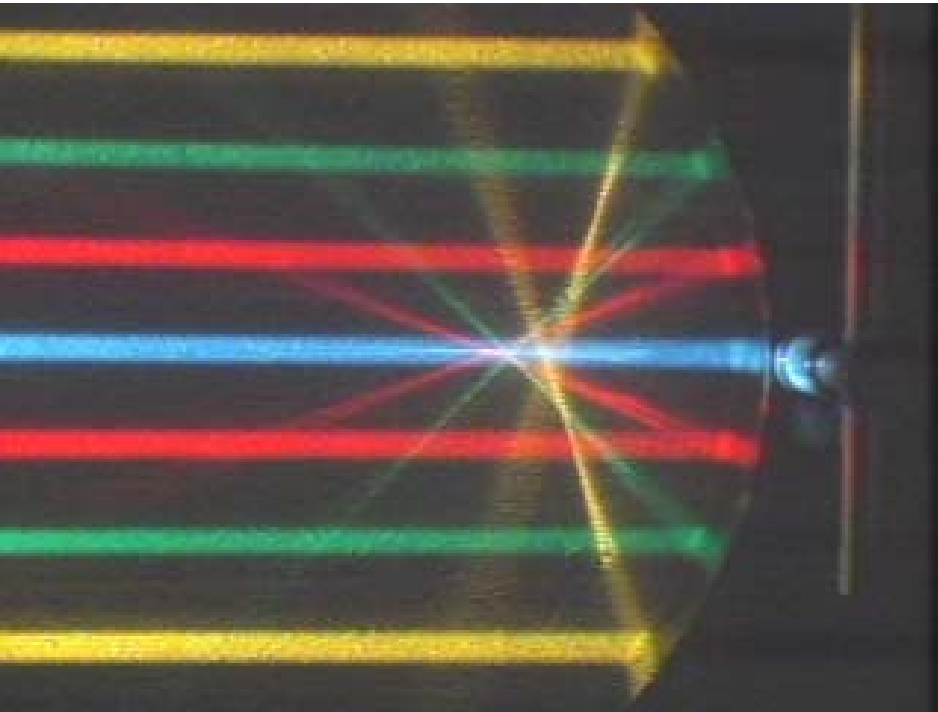
Σφαιρική Εκτροπή



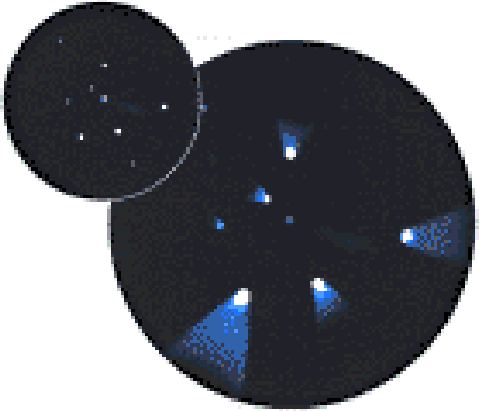
Κύκλος Σύγχυσης



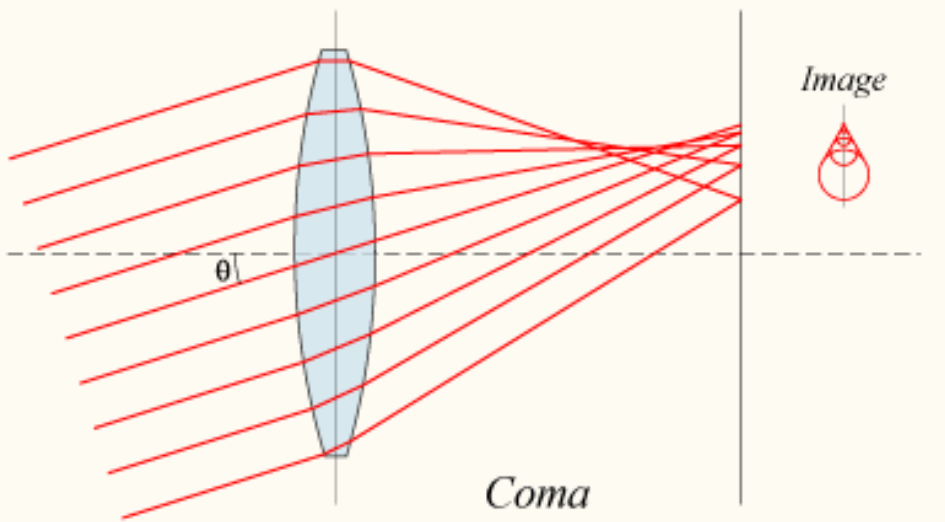
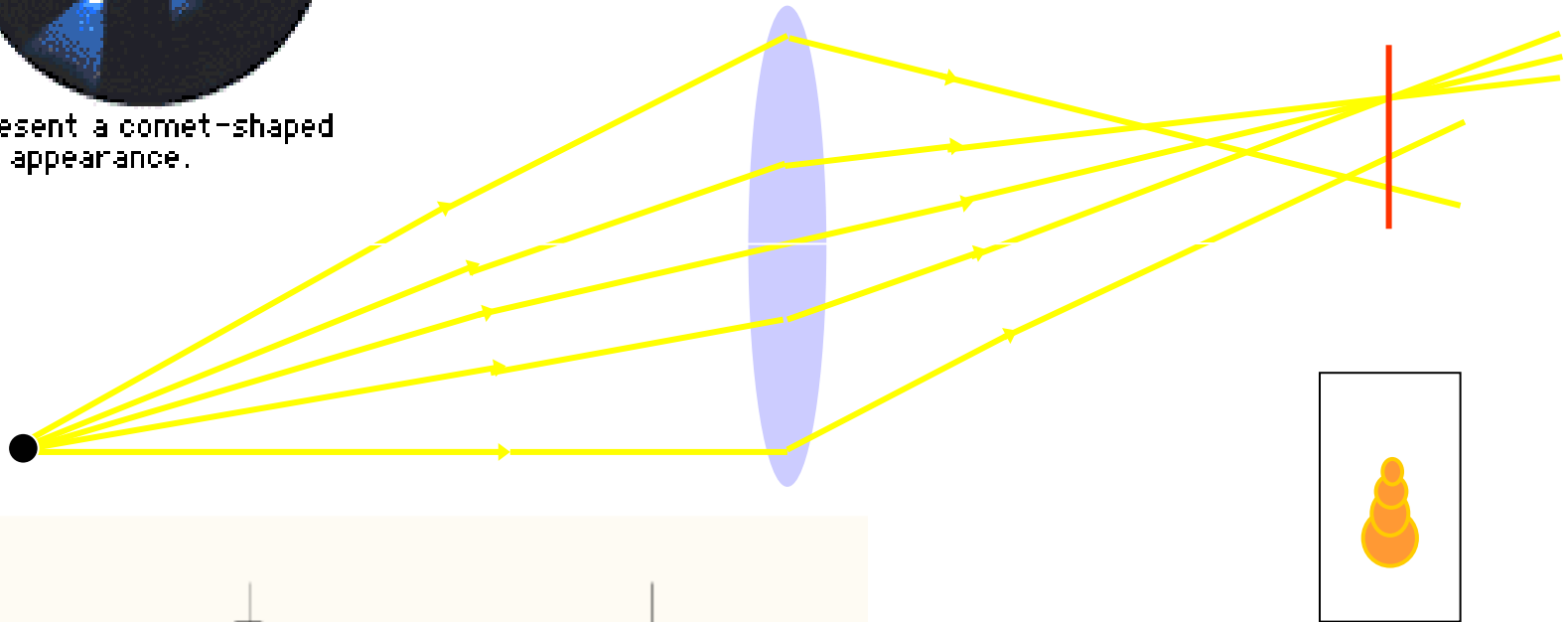
Σφαιρική Εκτροπή



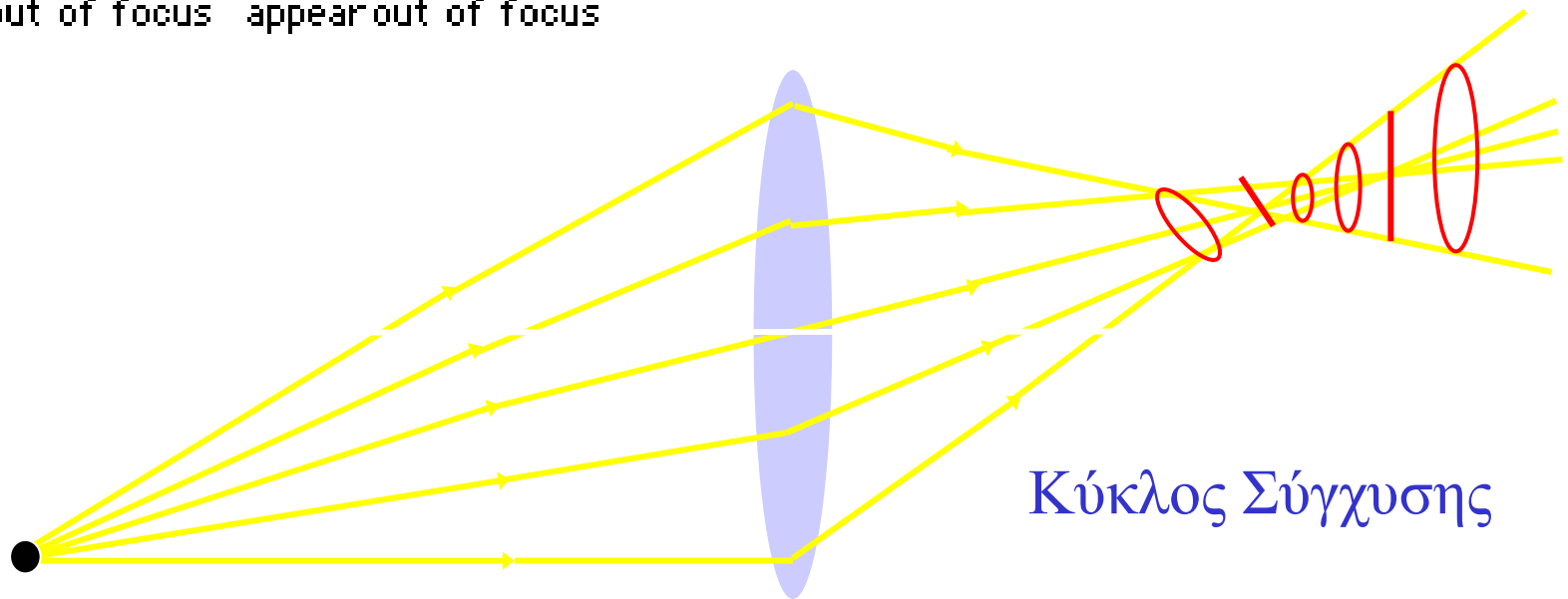
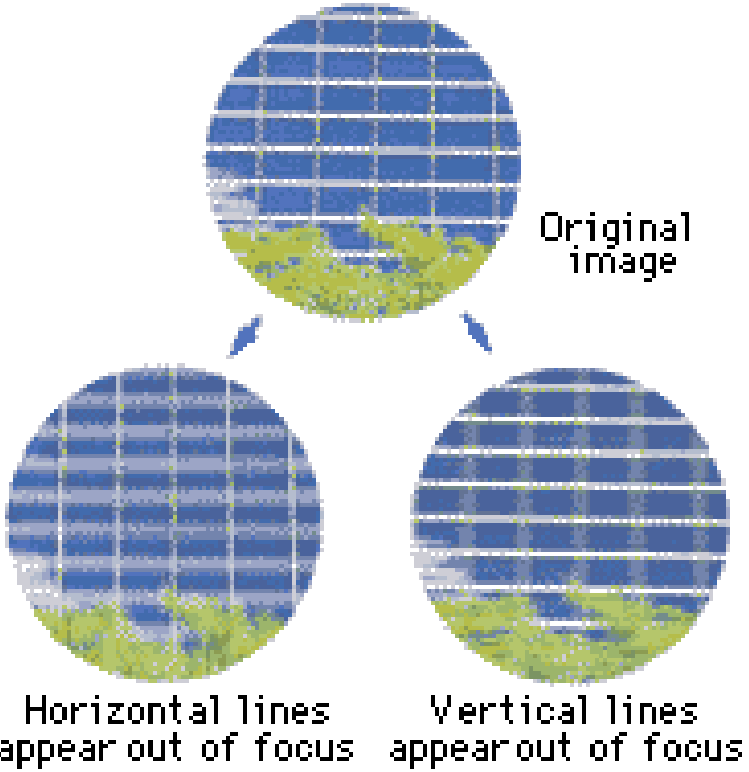
Κόμη



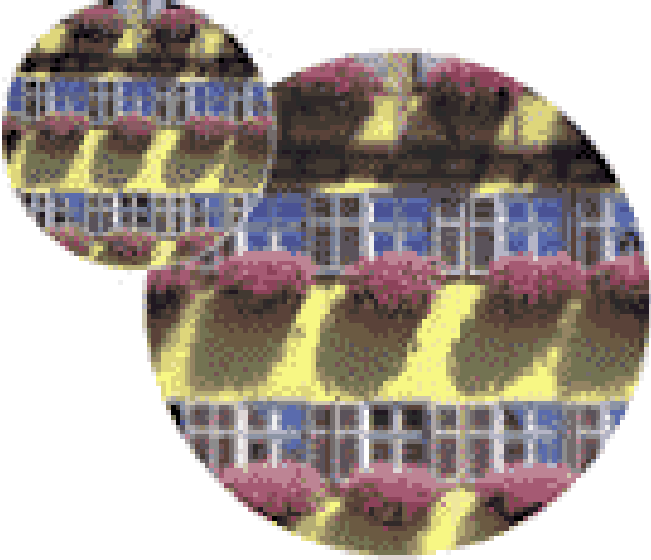
Point present a comet-shaped appearance.



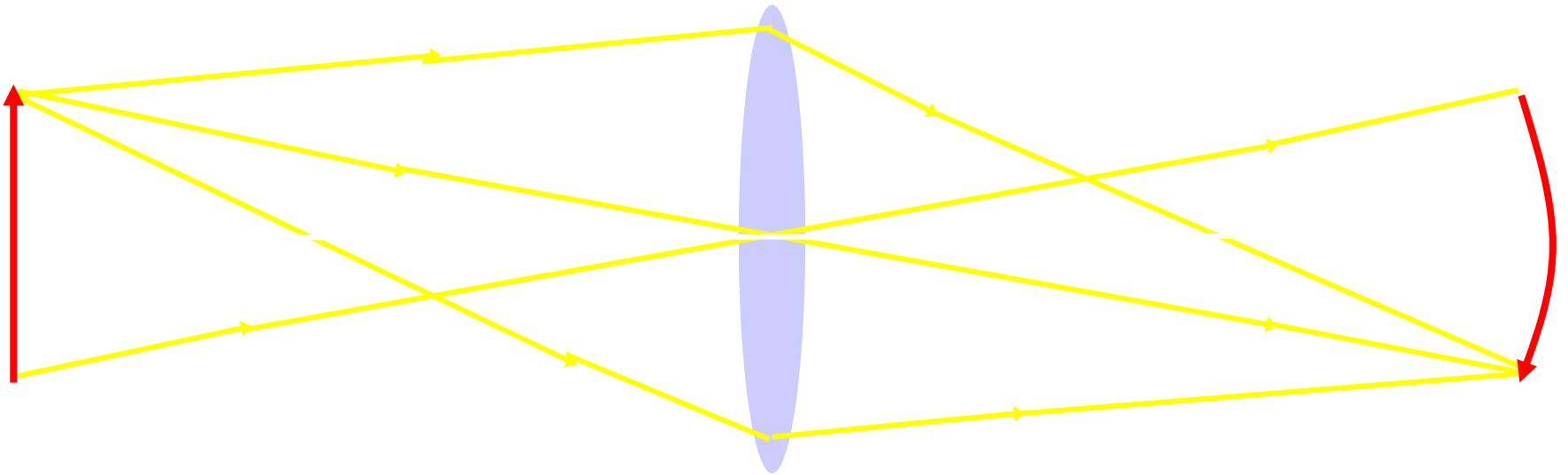
Αστιγματισμός



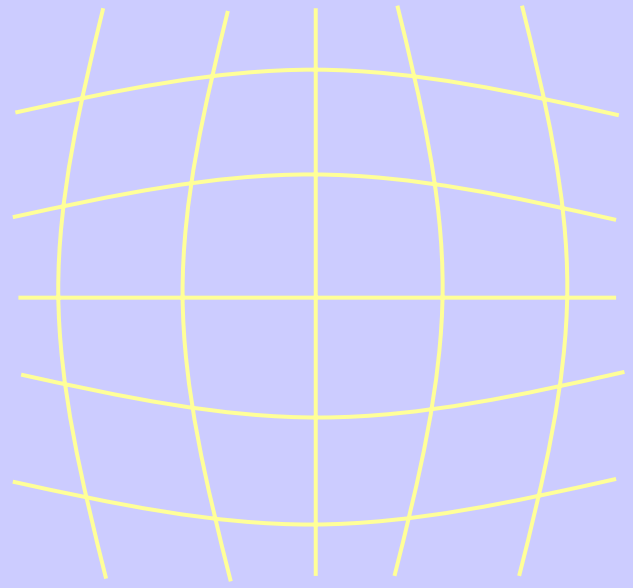
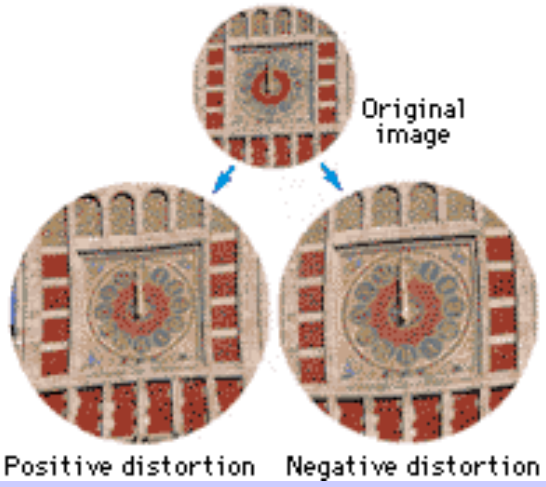
Καμπυλότητα πεδίου



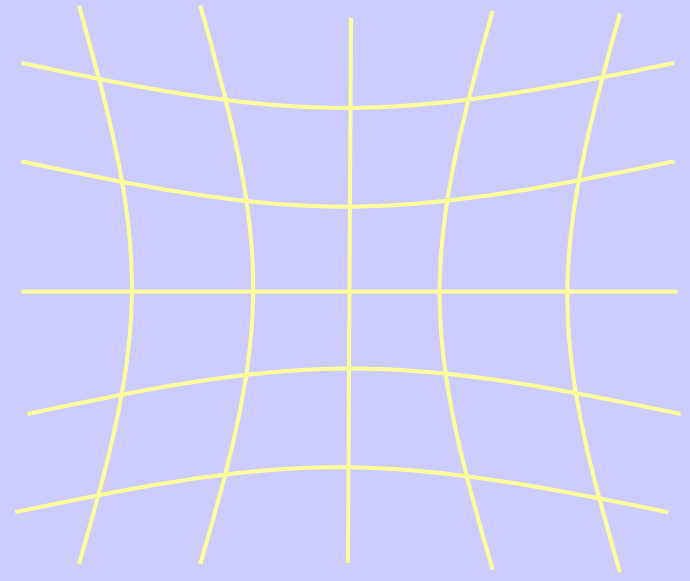
The periphery of the field appears out of focus.



Παραμόρφωση



Βαρελοειδής Παραμόρφωση (Αρνητική)

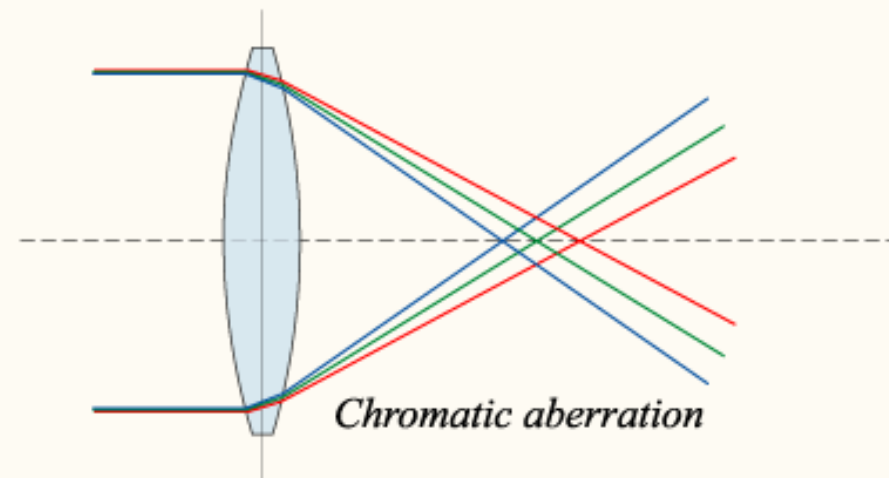
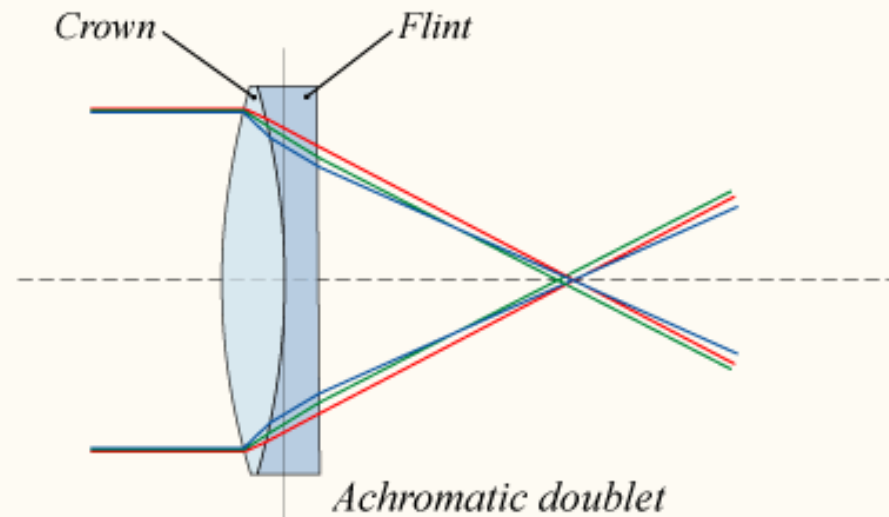


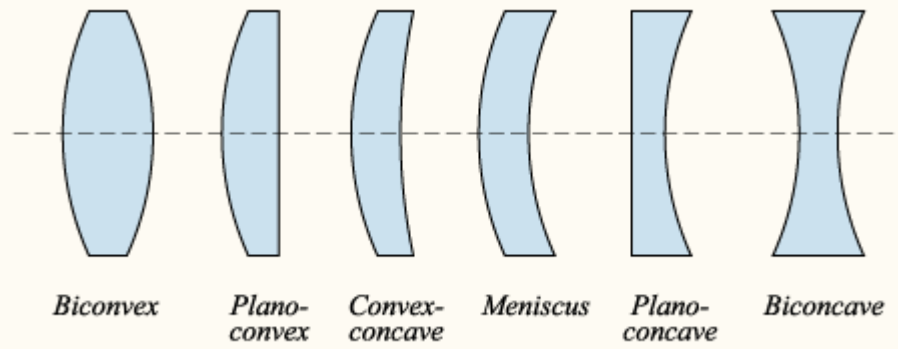
Παραμόρφωση σχήματος Μαξιλαριού (θετική)

Χρωματική εκτροπή

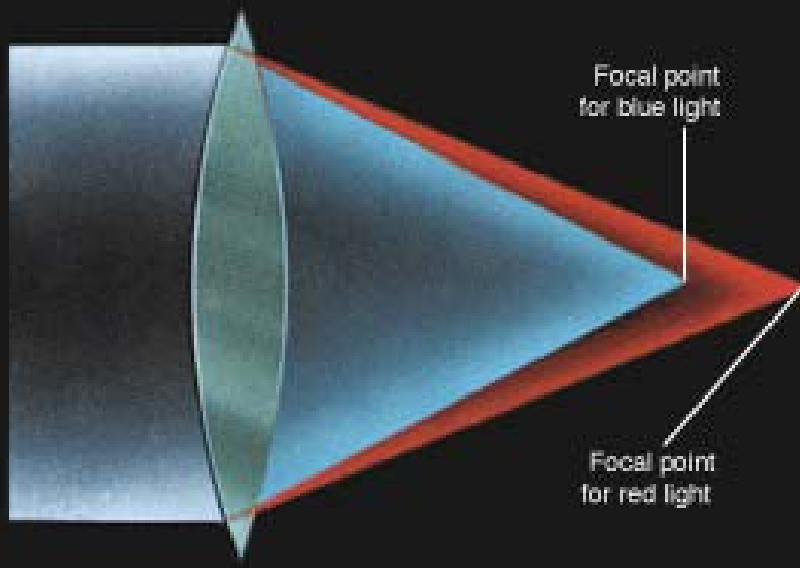


The image is blurred and appears coloured at the fringe.

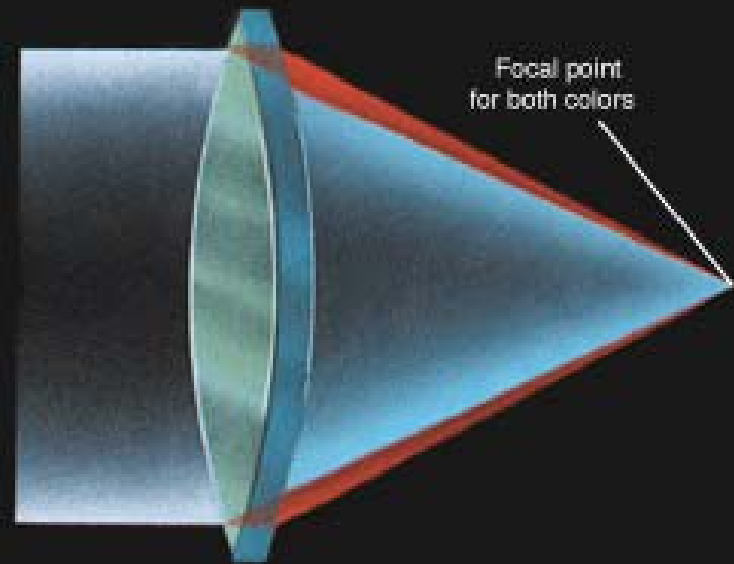


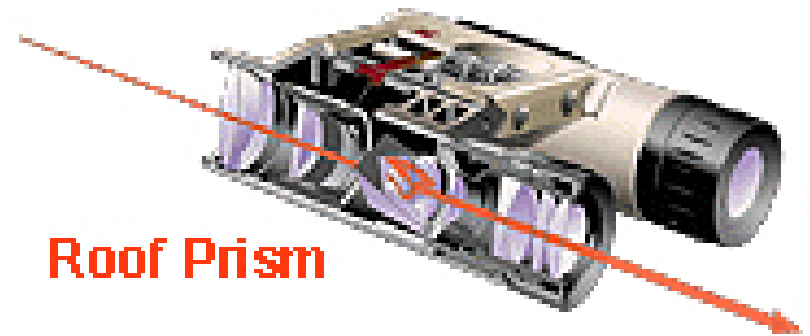
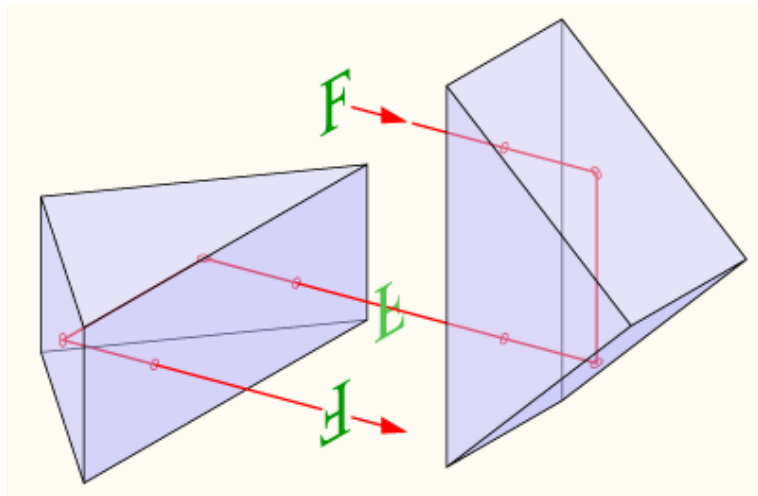


(a) The problem

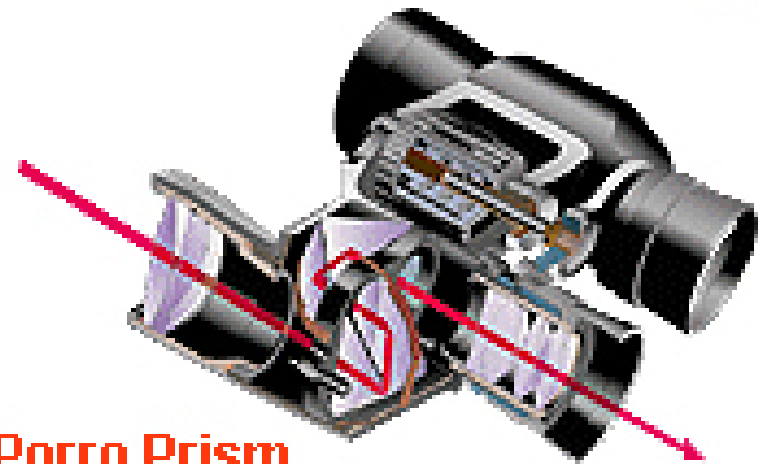


(b) The solution





Roof Prism



Porro Prism

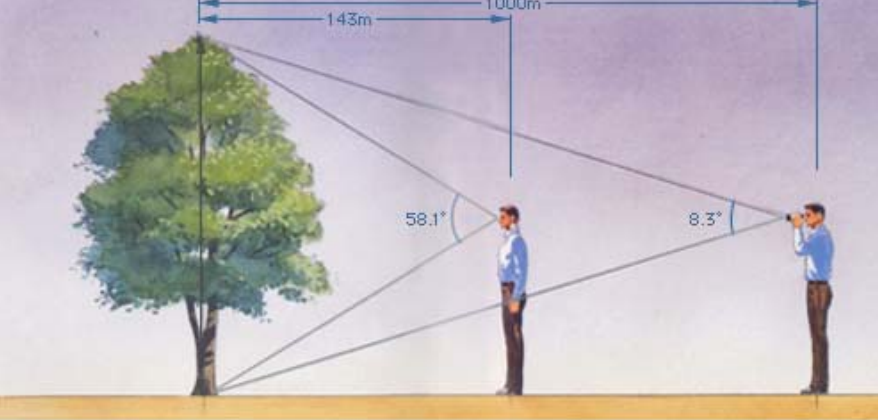
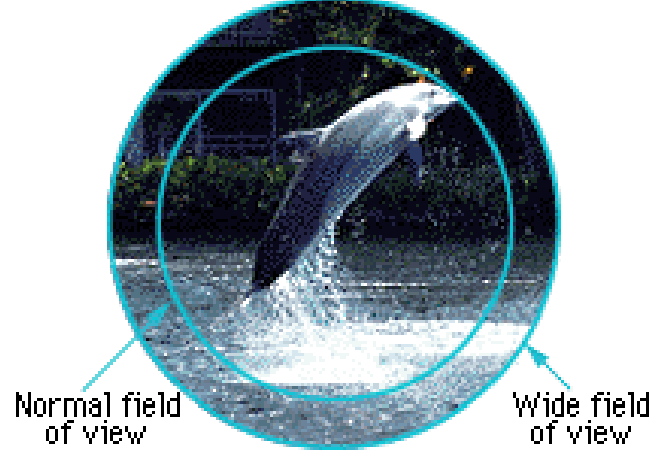


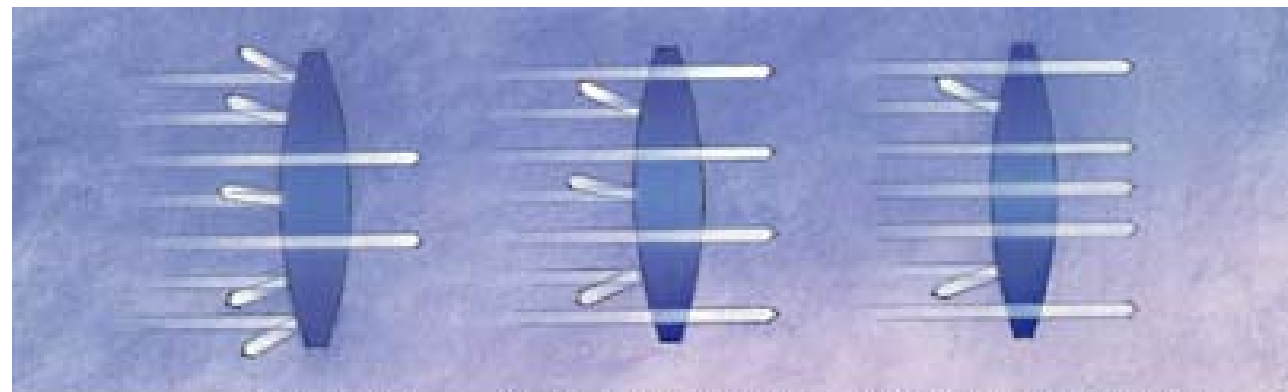
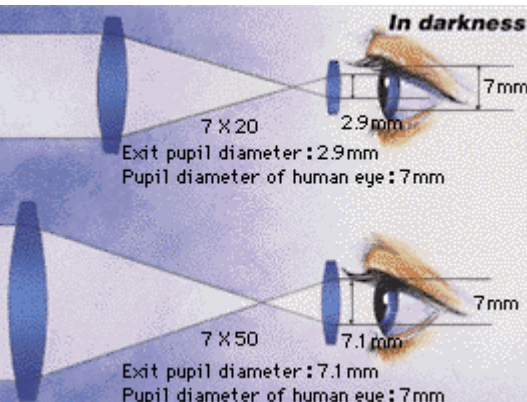
Fig.1 Field of view of 7 X 35 8.3° binoculars



7X binoculars



10X binoculars



No coating

Single coating on one or more surfaces

Multilayer coating on one or more surfaces

