

Fig. 15. Average and true poles.  $P_m$  describes a circle of radius,  $\epsilon$ , over an interval of 25 770 years.  $P_v$  describes an ellipse in 18.6 years with a major axis 18.4" long

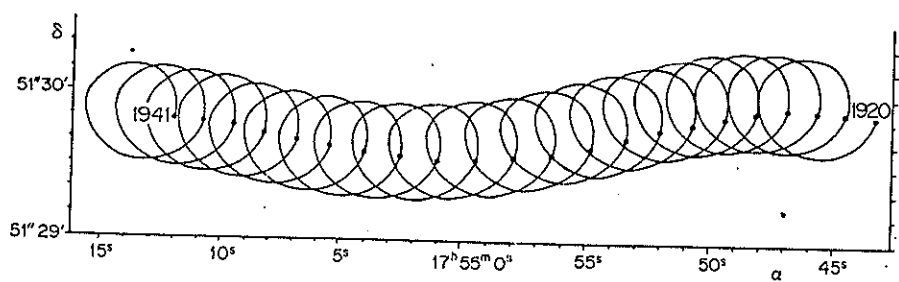
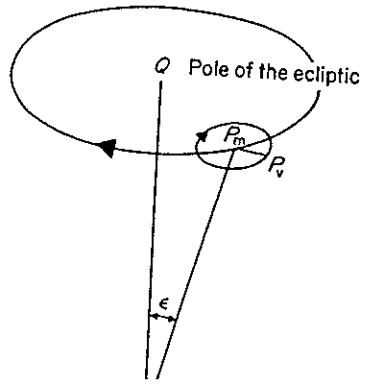


Fig. 16. Apparent path of  $\gamma$  Dra during one revolution of the nodes of the Moon's orbit. The marked points are the apparent positions at the start of each tropical year. (After Danjon, *Astronomie Générale*, 1953)