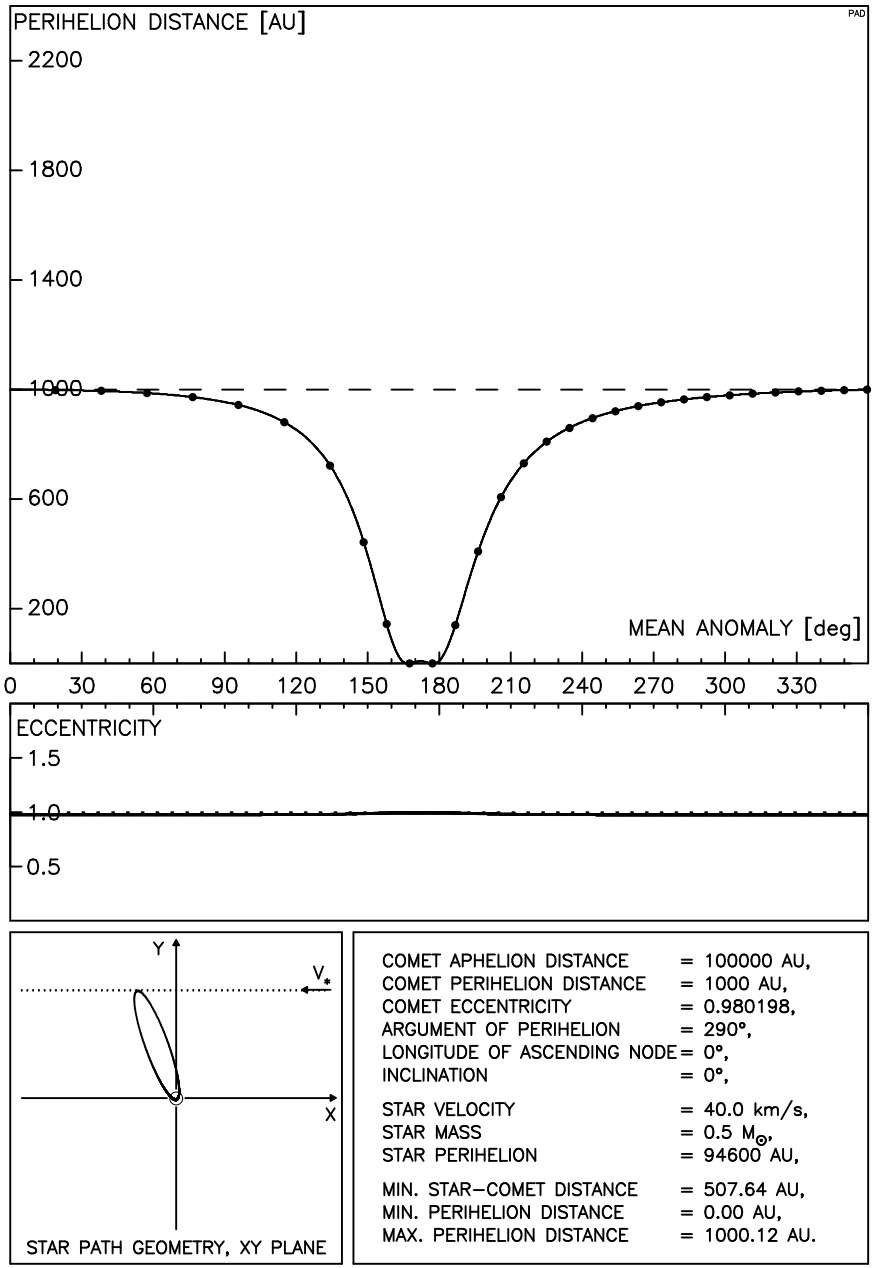
PERIHELION DISTANCE [AU]
PAD
2200
1800
1400
1000
600
200
MEAN ANOMALY [deg]
0
30
60
90
120
150
180
210
240
270
300
330
ECCENTRICITY
1.5
1.0
0.5
Y
V*
X
STAR PATH GEOMETRY, XY PLANE
COMET APHELION DISTANCE = 100000 AU,
COMET PERIHELION DISTANCE = 1000 AU,
COMET ECCENTRICITY = 0.980198,
ARGUMENT OF PERIHELION = 290°,
LONGITUDE OF ASCENDING NODE = 0°,
INCLINATION = 0°,
STAR VELOCITY = 40.0 km/s,
STAR MASS = 0.5 M⊙,
STAR PERIHELION = 94600 AU,
MIN. STAR–COMET DISTANCE = 507.64 AU,
MIN. PERIHELION DISTANCE = 0.00 AU,
MAX. PERIHELION DISTANCE = 1000.12 AU.