

## MISCELLANEOUS DATA

$\pi$	3.141 592 653 6
e	2.718 281 828 5
1 radian	57°.295 779 513 1
	3437'.746 770 78
	206264".806 25
1°	0.017 453 292 5 radian
1'	0.000 290 888 2
1"	0.000 004 848 137
1 revolution	= 360° = 1,296,000" = 24 <sup>h</sup> = 86,400s
1 sphere	= 12.5664 steradians = 41,253 square degrees
1 Julian year	= 365.25 days = 31,557,600 seconds
Approximate annual precession in RA	= 3 <sup>s</sup> .0730+1 <sup>s</sup> .3362 sin $\alpha$ tan $\delta$
Approximate annual precession in Dec.	= 20".043 cos $\alpha$