

SOFA Fortran constants

These must be used exactly as presented below.

- * Pi
DOUBLE PRECISION DPI
PARAMETER (DPI = 3.141592653589793238462643D0)
- * 2Pi
DOUBLE PRECISION D2PI
PARAMETER (D2PI = 6.283185307179586476925287D0)
- * Radians to hours
DOUBLE PRECISION DR2H
PARAMETER (DR2H = 3.819718634205488058453210D0)
- * Radians to seconds
DOUBLE PRECISION DR2S
PARAMETER (DR2S = 13750.98708313975701043156D0)
- * Radians to degrees
DOUBLE PRECISION DR2D
PARAMETER (DR2D = 57.29577951308232087679815D0)
- * Radians to arc seconds
DOUBLE PRECISION DR2AS
PARAMETER (DR2AS = 206264.8062470963551564734D0)
- * Hours to radians
DOUBLE PRECISION DH2R
PARAMETER (DH2R = 0.2617993877991494365385536D0)
- * Seconds to radians
DOUBLE PRECISION DS2R
PARAMETER (DS2R = 7.272205216643039903848712D-5)
- * Degrees to radians
DOUBLE PRECISION DD2R
PARAMETER (DD2R = 1.745329251994329576923691D-2)
- * Arc seconds to radians
DOUBLE PRECISION DAS2R
PARAMETER (DAS2R = 4.848136811095359935899141D-6)

SOFA C constants

The constants used by the C version of SOFA are defined in the header file `sofam.h`.