

Astronomical Formulae for Calculators

FOURTH EDITION
Enlarged & Revised

Jean Meeus



$$k = \frac{1 + \cos i}{2}$$

$$\begin{aligned} \beta = & +5^{\circ}1282 \sin F \\ & +0^{\circ}2806 \sin (F+M') \\ & +0^{\circ}2777 \sin (M'-F) \\ & +0^{\circ}1732 \sin (2D-F) \end{aligned}$$

Foreword by
Roger W. Sinnott
of *Sky and Telescope Magazine*

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Oliver Montenbruck, Thomas Pfleger



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