Abstract

This article, focuses on the methods that have been used for solving the Kepler’s equation for thirty years, then Kepler’s equation will be solved by Newton-Raphson’s method. For increasing the stability of Newton’s method, various guesses studied and the best of them introduced base on minimum number repetition of algorithm. At the end, after studying various guesses base on time of Implementation, one appropriate choice first guesses that increase the isotropy and decrease the time of Implementation of solving is introduced.

References

pp. 329-334.

**Index Terms**

Computer Science

Applied Sciences
Keywords
Kepler's equation; initial guesses; iterative solution; Newton -Raphson method