

Homework - Week 4

The Ralph-Newton method allows fast approximations to the solutions of algebraic equations. For the calculation of the cubed root of a , it starts out with a guess $x_0 > 0$ and then improves it by

$$x_n = (2 \times x_{n-1} + a/x_{n-1}^2)/3$$

Implement the Ralph-Newton method. You need to develop your own criteria for when your solution is good enough.