

A new local convergence theorem for Steffensen's type methods

In this paper we carry out a local convergence for Steffensen's type methods. Our goal is to enlarge the radius of convergence. Finally, some numerical tests are analyzed.

Key Words. Steffensen's type method, local convergence, radius of convergence.

AMS(MOS) classification. 65B05, 47H17, 49M15