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STABILITY AND DATA DEPENDENCE RESULTS OF SOME ITERATIVE SCHEMES IN HYPERBOLIC SPACES

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Abstract

In this paper, we prove convergence, stability and data dependence results for SP and CR-iterative schemes in Hyperbolic spaces for a self mapping satisfying quasi-contractive condition in Hyperbolic spaces. With the help of numerical example we approximate the fixed point of initial operator.

Key Words : *Stability, Data dependence, Iterative schemes, Fixed point, Contractive conditions, Hyperbolic spaces.*

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