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## ISHIKAWA TYPE ALGORITHM OF TWO MULTI-VALUED QUASI-NONEXPANSIVE MAPS ON NONLINEAR DOMAINS

HAFIZ FUKHAR-UD-DIN<sup>1,2</sup>, ABDUL RAHIM KHAN<sup>1,\*</sup> AND M. UBAID- UR-REHMAN<sup>2</sup>

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ABSTRACT. We study an Ishikawa type algorithm for two multi-valued quasi-nonexpansive maps on a special class of nonlinear spaces namely hyperbolic metric spaces; in particular, strong and  $\Delta$ -convergence theorems for the proposed algorithms are established in a uniformly convex hyperbolic space which improve and extend the corresponding known results in uniformly convex Banach spaces. Our new results are also valid in geodesic spaces.

<sup>1</sup>DEPARTMENT OF MATHEMATICS AND STATISTICS, KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS, DHAHRAN 31261, SAUDI ARABIA.

*E-mail address:* [hfdin@kfupm.edu.sa](mailto:hfdin@kfupm.edu.sa); [hfdin@yahoo.com](mailto:hfdin@yahoo.com)

*E-mail address:* [arahim@kfupm.edu.sa](mailto:arahim@kfupm.edu.sa)

<sup>2</sup>DEPARTMENT OF MATHEMATICS, THE ISLAMIA UNIVERSITY OF BAHAWALPUR, BAHAWALPUR 63100, PAKISTAN

*E-mail address:* [mubaid@188yahoo.com](mailto:mubaid@188yahoo.com)

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\* Corresponding author.

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