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**Clement B Ampadu\*** (drampadu@hotmail.com), Boston, MA 02132. *A Characterization of the Hardy and Rogers Mapping Theorem in the sense of Berinde*. Preliminary report.

Berinde in 2004 gave a weak form of the "Banach Inequality" and showed any map satisfying such an inequality has a fixed point under certain conditions. Since then many authors have generalized this weak form of the "Banach Inequality" and obtained some existence and/or uniqueness criteria for the fixed point of maps satisfying such inequality.

In the AMS 2018 Sectional Meeting at Northeastern University, Boston, MA, I raised the possibility of obtaining a weak form of the "Hardy and Rogers Inequality" and finding conditions under which the fixed point of a map satisfying such inequality exists, and if the fixed point exists can we guarantee uniqueness?

In this talk we will give answers to the above questions (Received May 05, 2018)