O'Regan, D., Shahzad, N., Agarwal, R.P.

**Birkhoff-Kellogg and best proximity pair results**


\(^a\) Department of Mathematics, National University of Ireland, Galway, Ireland
\(^b\) Department of Mathematics, King Abdul Aziz University, P.O. Box 80203, Jeddah 21589, Saudi Arabia
\(^c\) Department of Mathematical Sciences, Florida Institute of Technology, Melbourne, FL 32901, United States

**Abstract**

The paper presents new Birkhoff-Kellogg type theorems for maps in the S-KKM class. Best proximity pair theorems are also established for the admissible class Θcκ and the PK class.

**Author Keywords**

Countably condensing maps; Invariant direction; Proximity pair theorems; S-KKM maps

**ISSN:** 13701444