12th Joint Conference on Mathematics and Computer Science, June 14 – 17, 2018, Cluj, Romania1

Fixed points and coupled fixed point for monotone operators

Adrian Petruşel

Department of Mathematics, Babeş-Bolyai University Cluj-Napoca petrusel@math.ubbcluj.ro

In this talk, we will discuss the connections between fixed point and coupled fixed point theorems for monotone operators in complete metric spaces endowed with a partial order relation. We will show how coupled fixed point theorems can be obtained by appropriate fixed point results and vice versa. Some applications and open questions are pointed out.

References

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