

Common Fixed-Point Results In Best Approximation Theory

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Summary

A common fixed-point generalization of the results of Dotson, Tarafdar, and Taylor is obtained which in turn extends a recent theorem by Jungck and Sessa to locally convex spaces. As applications of our work, we improve and unify well-known results on fixed points and common fixed points of best approximation. (C) 2003 Elsevier Science Ltd. All rights reserved.

References:

1. ALTHAGAFI MA, 1996, J APPROX THEORY, V85, P318
2. BASKARAN R, 1988, ATTI SEMIN MAT FIS, V36, P1
3. BROSIOWSKI B, 1969, MATH CLUJ, V11, P195
4. CARBONE A, 1989, JNANABHA, V19, P149
5. DOTSON WJ, 1972, J LOND MATH SOC, V4, P408
6. JUNGCK G, 1995, MATH JPN, V42, P249
7. KHAN AR, 2000, INT J MATH MATH SCI, V24, P231
8. KOTHE G, 1969, TOPOLOGICAL VECTOR S, V1
9. SAHAB SA, 1988, J APPROX THEORY, V55, P349
10. SAHNEY BN, 1983, J APPROX THEORY, V38, P182
11. SESSA S, 1982, PUBL I MATH, V32, P149
12. SINGH SP, 1980, J APPROX THEORY, V28, P329
13. TARAFDAR E, 1975, B AUSTR MATH SOC, V13, P241
14. TAYLOR WW, 1972, J MATH ANAL APPL, V40, P164

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