M–IDEALS AND THE BISHOP–PHELPS THEOREM

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Abstract. We give new proofs for the known important approximative properties of M-ideals, using only the definition of an M-ideal and the Bishop-Phelps theorem. Unlike the known proofs, these proofs do not use the 3-ball intersection property of M-ideals.


Keywords and phrases: Proximinal, M-ideal, metric projection, M and L-summands, norm attaining functional.

REFERENCES