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On a class of discontinuous operators in Hilbert spaces

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Abstract: We construct a class of discontinuous operators in infinite-dimensional separable Hilbert spaces, answering a natural question which arises in comparing a fixed point theorem of Altman and Shinbrot ([1], [4]) with its improvement obtained by Ricceri ([2], [3]).

Keywords: fixed point, Hilbert space, weak topology, discontinuous operator

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