

## Idempotents as J-Projections

Matvejchuk M.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

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### Abstract

Let  $B(H)_{Id}$  be the set of all bounded idempotents on a Hilbert space  $H$ . Fix  $p \in B(H)_{Id}$ . The aim of the paper is to show a set of symmetries  $J$  on  $H$  for which  $p$  is a  $J$ -projection. © 2011 Springer Science+Business Media, LLC.

<http://dx.doi.org/10.1007/s10773-011-0772-4>

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### Keywords

Hilbert space, Idempotent, Indefinite metric space, Projection