论文

伪逆算子的性质及其在框架理论中的应用

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摘要：

给出了伪逆算子的运算性质及满射有界算子的伪逆算子的一种表示.然后把伪逆算子应用在框架理论中,同时给出了预框架算子的伪逆算子的矩阵表示.最后把伪逆算子应用在(非框架的)序列中.

关键词： 框架 预框架算子 框架算子 伪逆算子

The properties of pseudo-inverse operators and their applications in the frame theory

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Abstract:

The operational properties of the pseudo inverse operators were studied and one kind of the expression of pseudo-inverse operators was obtained. The operator was subjectively bounded in Hilbert space, and then the results were applied to the frame theory. The matrix expression of the pseudo-inverse operator concerning the pre-frame operator was provided, and finally the theory of pseudo-inverse operators to some non-frame sequences was developed.

Keywords: frame pre-frame operator frame operator pseudo-inverse operator

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