

# Banach空间中线性算子的度量右逆

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收稿日期 2005-3-25 修回日期 网络版发布日期 2008-7-8 接受日期

**摘要** 对无自反性假定的Banach空间,运用Banach空间几何方法,得到了闭稠定满射的线性算子(可以无界)的度量右逆的表达式,并给出了该度量右逆的存在性和连续性的充要条件.多方面拓展了Aubin J P和王玉文等人的相应结果.

**关键词** [度量右逆](#), [广义正交分解](#), [Chebyshev子空间](#), [正规对偶映射](#).

分类号 [46B20](#), [47H04](#)

## The Metric Right Inverse of Linear Operator in Banach Space

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**Abstract** For Banach space without reflexive assumption, by means of the geometric method geometry of Banach space, the representation of the metric right inverse of closed linear surjective operator with dense domain (may be unbounded) is obtained, and the necessary and sufficient conditions for existence, continuity of the metric right inverse of linear operator are given. The obtained results extend and improve the corresponding results obtained by Aubin J P, Wang Yu-wen and others.

**Key words** [Metric right inverse](#) [generalized orthogonal decomposition](#) [Chebyshev subspace](#) [normalized duality mapping](#).

DOI:

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