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Title: Perturbation analysis of $A_{T,S}^{(2)}$ on Hilbert spaces.

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Review text:

The general reader should know that symbol $A_{T,S}^{(2)}$ denotes a (unique) generalized inverse G of a bounded linear map A from Banach space X (containing a closed subset T) to Banach space Y (containing a closed subset S) such that the range of G is T and the kernel of G is S while one has $GAG = G$. In the sense of certain perturbations of T , S and A the paper (basically, a set of explicit formulae assuming that X and Y are Hilbert spaces over \mathbb{C}) offers explicit upper bounds of the norm of the perturbed G' and of the difference $G' - G$, using the methods and amending the respective results of the 2012 monograph by one of the authors.