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On Some Approximate Functional Relations
Stemming from Orthogonality Preserving Property

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Abstract:	Referring to previous papers on orthogonality preserving mappings we deal with some relations, connected with orthogonality, which are preserved exactly or approximately. In particular, we investigate the class of mappings approximately preserving the right-angle. We show some properties similar to those characterizing mappings which exactly preserve the right-angle.

Besides, some kind of stability of the considered property is established. We study also the property that a particular value c of the inner product is preserved. We compare the case $c \neq 0$ with c = 0, i.e., with orthogonality

preserving property. Also here some stability results are given.



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