CONSIDERATIONS ABOUT THE SEVERAL INEQUALITIES IN AN INNER PRODUCT SPACE

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Abstract. The aim of this paper is to show new results concerning the Cauchy-Schwarz inequality in an inner product space. We find an improvement of Buzano’s inequality and Richard’s inequality, which are extensions of the Cauchy-Schwarz inequality.


Keywords and phrases: Inner product space, Cauchy-Schwarz inequality, Buzano’s inequality, Richard’s inequality, Ostrowski’s inequality.

REFERENCES