A CAUCHY–BUNYAKOVSKY–SCHWARZ TYPE INEQUALITY RELATED TO THE MÖBIUS ADDITION

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Abstract. We show a Cauchy-Bunyakovsky-Schwarz type inequality related to the Möbius addition in complex inner product spaces. The corresponding inequality in real inner product spaces can be derived easily as well.


Keywords and phrases: Schwarz inequality, Möbius addition, Möbius gyrogroup, Möbius gyrovector space.

REFERENCES