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A Survey on Cauchy-Bunyakovsky-Schwarz Type Discrete Inequalities

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Abstract: The main purpose of this survey is to identify and highlight the discrete inequalities that are connected with **(CBS)**- inequality and provide refinements and reverse results as well as to study some functional properties of certain mappings that can be naturally associated with this inequality such as superadditivity, supermultiplicity, the strong versions of these and the corresponding monotonicity properties. Many companion, reverse and related results both for real and complex numbers are also presented.



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