

Peer Review

Review of: "Inequalities Revisited"

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The author summarizes the fruitful achievements in information theory over the past two decades regarding the study of Shannon entropy. These advancements have led to the discovery of a new class of constraints on Shannon entropy—**non-Shannon-type inequalities**—and revealed profound connections between Shannon entropy and various branches of mathematics, including group theory, combinatorics, Kolmogorov complexity, probability theory, and matrix theory. This article holds significant reference value for researchers, particularly for those who are new to the field.

Declarations

Potential competing interests: No potential competing interests to declare.