ON SHAFER–FINK INEQUALITIES

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Abstract. In this paper, a new upper bound for inverse sine is established. We would point out that the numbers, 3 and $\pi$, and $\pi(\sqrt{2} + \frac{1}{2})$, in Shafer-Fink inequalities, are optimal.


Key words and phrases: inverse sine; upper and lower bounds; Shafer-Fink inequalities.

REFERENCES