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On certain identities for means. (English) Zbl 0831.26013
Stud. Univ. Babeş-Bolyai, Math. 38, No. 4, 7-14 (1993).

Several inequalities are offered as consequences of the identity

$$\frac{(b^{1/3} \ln b + a^{1/3} \ln a)/(b^{1/3} - a^{1/3}) - (b \ln b - a \ln a)/(b - a)}{3a^{1/3}b^{1/3}(a^{1/3} + b^{1/3}) \ln(b/a)/(b - a)} =$$

Reviewer: [J. Aczél \(Waterloo/Ontario\)](#)

MSC:

[26D15](#) Inequalities for sums, series and integrals

Cited in **9** Documents

Keywords:

logarithmic mean; identric mean; arithmetic mean; geometric mean; inequalities