

Zbl 061.12804

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A note on Farey series. (In English)

Q. J. Math., Oxf. Ser. 14, 82-85 (1943).

Suppose $a_1/b_1, a_2/b_2, \dots$ are the positive reduced fractions of denominator $\leq n$. The A. proves the existence of an absolute constant c such that if $n > ck$ then $(a_\nu - a_{\nu+k})(b_\nu - b_{\nu+k}) \geq 0$ for $\nu = 1, 2, \dots$. This is more specific form of a result of *A.E.Mayer* [same journal 13, 185-192 (1942; Zbl 061.06703)].

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Classification:

11B57 Farey sequences; the sequences