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Disciplina	512.7/3
Soggetti	Number theory -- Probabilistic theory: distribution modulo $\$1\$$ ; metric theory of algorithms -- Diophantine approximation [See also 11Jxx] Number theory -- Probabilistic theory: distribution modulo $\$1\$$ ; metric theory of algorithms -- General theory of distribution modulo $\$1\$$ [See also 11J71] Number theory -- Probabilistic theory: distribution modulo $\$1\$$ ; metric theory of algorithms -- Irregularities of distribution, discrepancy [See also 11Nxx] Number theory -- Probabilistic theory: distribution modulo $\$1\$$ ; metric theory of algorithms -- Metric theory of continued fractions [See also 11A55, 11J70] Number theory -- Elementary number theory {For analogues in number fields, see 11R04} -- Continued fractions {For approximation results, see 11J70} [See also 11K50, 30B70, 40A15] Number theory -- Diophantine approximation, transcendental number theory [See also 11K60] -- Small fractional parts of polynomials and generalizations Continued fractions Diophantine analysis Number theory -- Diophantine approximation, transcendental number theory [See also 11K60] -- Continued fractions and generalizations [See also 11A55, 11K50] Number theory Number theory -- Diophantine approximation, transcendental number theory [See also 11K60] -- Distribution modulo one [See also 11K06] Number theory -- Diophantine approximation, transcendental number theory [See also 11K60] -- Inhomogeneous linear forms Number theory -- Diophantine approximation, transcendental number theory [See also 11K60] -- Metric theory
Lingua di pubblicazione	Inglese

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Note generali	"January 2020, volume 263, number 1276 (sixth of 7 numbers)."
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Nota di contenuto	Sums of reciprocals -- Multiplicative Diophantine approximation -- Ostrowski expansion -- Estimates for $n[\alpha] - [\gamma]$ -- A gaps lemma and its consequences -- Counting solutions to $n[\alpha] - [\gamma] < [\epsilon]$ -- Establishing the homogeneous results on sums of reciprocals -- Establishing the inhomogeneous results on sums of reciprocals -- Proofs of theorems 2.2, 2.3 and 2.4 -- Proof of theorem 2.1.