

Koganov, L. M.

On the Möbius functions and Frobenius constants of semigroups generated by linear forms of a special form. (Russian) [Zbl 0675.20053](#)

Semigroups and partial groupoids, Interuniv. Collect. Sci. Works, 15-25 (1987).

[For the entire collection see [Zbl 0669.00006](#).]

The paper gives a method for obtaining the Möbius constant and the Möbius function for a semigroup with more than two generators, in some particular cases. Some known semigroups are considered, as well as the semigroup generated by the form $xbc + yac + zab$, where a, b, c are relatively prime natural numbers or the semigroup generated by the form $ax + by$, where a, b are relatively prime natural numbers different from 1.

Reviewer: [M.Ştefănescu](#)

MSC:

[20M15](#) Mappings of semigroups

[11A25](#) Arithmetic functions; related numbers; inversion formulas

[20M05](#) Free semigroups, generators and relations, word problems

Cited in **1** Review

Keywords:

[linear forms](#); [Möbius constant](#); [Möbius function](#); [generators](#); [semigroups](#)