Grigorchuk, R. I. [Grigorchuk, Rostislav I.]; Stepin, A. M. [Stepin, Anatoliĭ Mikhaĭlovich]

On the amenability of cancellation semigroups. (Russian. Russian summary)


The authors study the concept of amenability (existence of a normed finitely additive invariant measure) for subsemigroups of a group. Among other results they show that a subsemigroup $S$ of an amenable group is left [right] amenable iff for arbitrary $a, b \in S$, $aS \cap hS \neq \emptyset$ [$Sa \cap Sb \neq \emptyset$]. They also give some examples, among which is an example of a right amenable cancellation semigroup which is not left amenable.  

W. Želazko

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