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**On parallelism in colonies. (English. English summary)**

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A “colony” is a grammar system consisting of a finite number of finite functions, each mapping a nonterminal symbol into a finite language over nonterminals and terminals. The authors study two ways of applying these functions in parallel, called “strongly” and “weakly” competitive. In the former case the corresponding language family is a subfamily of the family of matrix languages (with appearance checking); in the latter one it yields a subfamily of the family of 1-limited ETOL languages. Applying these functions noncompetitively provides in both cases a characterization of the context-free languages.

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