

Embedding entropic algebras into modules

Michał Stronkowski

Warsaw University of Technology, Poland

An algebra *embeds* into a module if it is isomorphic to a subalgebra of a reduct of a module. Here we are interested in algebras which embed into modules over commutative rings. Such algebras must be entropic and quasi-affine. The validity of the converse was an open problem for a few years. As an expression of doubts about a positive solution to this problem, a weaker conjecture was formulated: An entropic algebra with one, at least binary, cancellative operation embeds into a module over a commutative ring. Recently, the conjecture was confirmed, and a little later the former problem was solved too. During the talk the solution will be presented.

`m.stronkowski@mini.pw.edu.pl`