ANGEL V. DITCHEV, *On least enumerations of partial structures.*
Faculty of Mathematics and Computer Science, Sofia University, 5 James Bourchier Blvd., 1164 Sofia, Bulgaria.
E-mail: ditchev@fmi.uni-sofia.bg.

It will be considered arbitrary partial structures. It is not supposed that either the equality or the inequality is among the predicates of the structure. It will be given a characterization of arbitrary partial structures which have a least (T- and e-) enumerations, i.e. the structures which have (T- and e-) degrees. First it will be done for structures with unary functions and predicates. The characterization will be in the terms of so called types and ∃-types of an elements of a structure. Roughly speaking, ∃-type of an element is the codes of all existential formulae which are true on that element in the structure. Then, using ideas for unary structures and predicates and so called Moschovakis’ extension and extended enumeration on it, it will be given characterization in the general case, as well. It will be given some corollaries, concerning the spectrum of a given structure. It will be given several examples, among which of structures which don’t have degree, but having quasi-degree, as well.