1. Predicate / Transition Nets

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Abstract: The paper deals with conceptual, mathematical and practical aspects of developing a net theoretic system model. The model presented is based on common techniques of modelling static systems as structured sets of individuals (relational structures). These structures are 'dynamised' by allowing some relations between individuals to be changed by the processes of the modelled system.

Keywords: Predicate/transition nets (PrT-nets); higher-level Petri nets; variable relational structures; logical and linear-algebraic system invariants.

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