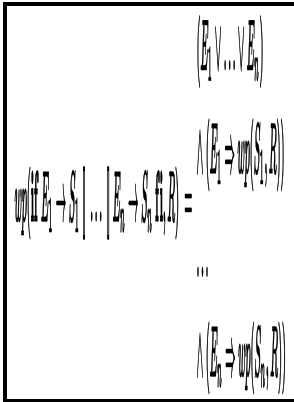


Predicate transformer semantics

Cambridge University Press - Predicate transformer semantics of a higher



Description: -

- Computer science -- Mathematics.
Programming languages (Electronic computers) --
Semantics. Predicate transformer semantics

-

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Cambridge tracts in theoretical computer science ; Predicate
transformer semantics

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CiteSeerX — Deriving Predicate Transformer Semantics for pGCL from its Direct Semantics

Is the right-hand-side a formula? The first version reveals also a deep duality between weakest-precondition and strongest-postcondition see below.

computer science

For example a statement if A then C1 else C2 is typically translated to a start location with two outgoing edges to nodes that represent the entry to the representation of the subprograms C1 and C2.

Predicate transformer semantics

Requirements: knowledge in the area of formal verification, e. Then why not use parenthesis or words, such as follows? Reasoning about such combinations of effects is notoriously difficult, yet our approach using predicate transformers enables the careful separation of program syntax, correctness proofs and termination proofs. Proceedings of the American Mathematical Society Symposia on Applied Mathematics 19, 19—31.

[2005.00197v1] Combining predicate transformer semantics for effects: a case study in parsing regular languages

Newcomers in particular will be scared away perhaps never to look at weakest preconditions again.

Predicate transformer semantics : definition of Predicate transformer semantics and synonyms of Predicate transformer semantics (English)

We assume that U is a set denoting the state space. Non-deterministic guarded commands Actually, Dijkstra's GCL is an extension of the simple imperative language given until here with non-deterministic statements.

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