O’Hearn, Peter W.  
Resources, concurrency, and local reasoning.  
(English)  
Zbl 1111.68023  

Summary: We show how a resource-oriented logic, separation logic, can be used to reason about the usage of resources in concurrent programs.

MSC:  
68N19 Other programming paradigms (object-oriented, sequential, concurrent, automatic, etc.)  
03B70 Logic in computer science

Keywords:  
concurrency; logics of programs; separation logic

Software:  
SLMC

Full Text: DOI

References:  
[1] ()  
[18] Reynolds, J.C., Towards a grainless semantics for shared variable concurrency, (1971), Zbl 1117.68449  