

Aurélien Naldi (Institut de Biologie de l'École Normale Supérieure):

From states to patterns: trapspaces and implicants

Abstract:

Stable motifs (AKA symbolic steady states or trapspaces) have been proposed a few years ago as an efficient approximation of complex attractors in Boolean models. I will briefly show how they can be further extended to multivalued models and provide limited reachability information. Then I will then introduce an alternative method for the computation of primes implicants which is the current bottleneck for their identification using constraint solving tools.