

1128-14-61

**Vladyslav Oles\*** (vladyslav.oles@gmail.com). *Finding fixed points of Boolean networks.*

It will be about a newly developed algorithm for finding fixed points of AND-NOT Boolean networks, which is equivalent to solving a system of equations, given by Boolean polynomials. Time complexity of the algorithm is proven to be  $O(1,3562^N)$ , compared to  $O(2^N)$  of known tools from computational algebra. (Received February 08, 2017)