
BRIAN REDMOND, University of Calgary, 2500 University Drive NW, Calgary, Alberta T2N 1N4

Polarized strong categories for lower complexity

I shall discuss the use of polarized strong categories as an abstract setting for investigating lower complexity computations. The aim of this work is to identify key structural properties for separating complexity classes. In particular, I shall highlight the role that distributivity plays in the separation of PTIME and PSPACE.

Joint work with Mike Burrell and Robin Cockett.