

Applied Topology in Albany (ATiA) Seminar

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SYNTACTICS, SEMANTICS, AND SHEAVES

Friday, April 22, 2022

11:30 a.m. on Zoom

ABSTRACT. Cellular sheaves have constituted an extremely successful program in the applied topology community. In this talk, I will report recent efforts to apply the principles of cellular sheaf theory and sheaf laplacians to multi-agent systems, particularly from the angle of modal logic. Along the way, I will define several Laplacians which act as diffusion operators on lattice-valued network sheaves.