

1112-57-124

Carmen L Caprau*, Department of Mathematics, California State University, Fresno, 5245 North Backer Avenue M/S PB 108, Fresno, CA 93740. *A Khovanov-type homology theory for singular knots and singular tangles*. Preliminary report.

We extend the Khovanov homology to singular tangles and singular knots or links. In doing so, we employ Bar-Natan's geometric approach to local Khovanov homology, but instead of classical 2-cobordisms modulo local relations we use 'disoriented' 2-cobordisms regarded modulo a finite set of local relations. (Received July 27, 2015)