

1123-57-165

Seungwon Kim* (skim2@gradcenter.cuny.edu). *A topological characterization of toroidally alternating knots*. Preliminary report.

We extend Howie's characterization of alternating knots to give a topological characterization of toroidally alternating knots, which were defined by Adams. We provide necessary and sufficient conditions for a knot to be toroidally alternating. We also give a topological characterization of almost-alternating knots which is different from Ito's recent characterization. (Received August 30, 2016)