1056-57-422 **Colin Adams** (`Colin.C.Adams@williams.edu`), **Dan Collins** (`djc224@cornell.edu`),
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Planar and Spherical Stick Indices of Torus Knots.

The stick index of a knot is the least number of line segments required to build the knot in space. We define two analogous 2-dimensional invariants, the planar stick index and the spherical stick index. We find bounds on these quantities in terms of other knot invariants, and give planar stick and spherical stick constructions for torus knots. (Received September 09, 2009)

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