1067-57-505   **Ben M McCarty*** (`benm@math.lsu.edu`), Department of Mathematics, 303 Lockett Hall, Baton Rouge, LA 70803-4918. *Cube Number Distinguishes Legendrian Type for Certain Torus Knots.* Preliminary report.

For a knot K the cube number is a knot invariant defined to be the smallest n for which there is a cube diagram of size n for K. There is also Legendrian version of this invariant called the *Legendrian cube number*. We will show that the Legendrian cube number distinguishes the Legendrian left hand torus knots with maximal Thurston-Bennequin number and maximal rotation number from the Legendrian left hand torus knots with maximal Thurston-Bennequin number and minimal rotation number. (Received September 07, 2010)

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