



Texas State Topology Seminar

Tuesday, 2017, September 19, 12:30-1:50 p.m., in ENC (HPB) 143

Speaker: Professor T.L. Thickstun

Topic: *Recognizing Manifolds*

ABSTRACT

In 1978, J.W. Cannon stated (in *The Bulletin of the Am. Math. Soc.*, vol. 84 No. 5) the "Recognition Problem: find a short list of topological properties, reasonably easy to check, that characterize topological manifolds among topological spaces." The speaker will briefly survey prior motivation for the problem (notably, the Double Suspension Problem stated by John Milnor in 1965) and the answer given by R.D. Edwards, Cannon, and Frank Quinn for manifolds of dimension greater than 4. Most of the talk will deal with the answer for dimension 3 given by R.J. Daverman and T.L. Thickstun.