

Meeting: 998, Houston, Texas, SS 6A, Special Session on Continuum Theory and General Topology (in Honor of David Bellamy's 60th Birthday)

998-54-215 **Wayne Lewis*** (wlewis@math.ttu.edu), Dept. of Mathematics and Statistics, Texas Tech University, Lubbock, TX 79409-1042. *Rigid Embeddings in the Plane.*

A compactum X is *rigidly embedded* in the space M if X is embedded in M in such a manner that the only homeomorphism of X which extends to a homeomorphism of M is the identity.

Wright has shown that every compactum which has no isolated points and can be embedded in S^n ($n \geq 3$) admits uncountably many distinct rigid embeddings in R^{n+1} .

Rigid embeddings in the plane are more restrictive. We present a few observations and results concerning such. (Received February 27, 2004)