

1173-57-248

Michael Harrison* (mah5044@gmail.com). *Coupled embeddability and the coindex of embedding spaces.*

We introduce the notions of coupled embeddability and the $\mathbb{Z}/2$ -coindex of embedding spaces. We discuss how to study these notions using nonsingular bilinear maps and a natural generalization of Sarkaria's Coloring/Embedding Theorem. This is joint work with Florian Frick. (Received September 21, 2021)