

# TOPOLOGICAL SUPERRIGIDITY

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(Joint work with Aditi Kar) We provide a new topological splitting theorem in the spirit of the sphere theorem and Waldhausen's torus theorem concerning the existence of codimension-1 embeddings in aspherical manifolds of high dimension. The result uses a mixture of ideas from geometric group theory, surgery theory, Poincaré duality and rigidity and I will outline the main steps in the proof and provide applications.