

Real contact 3-manifolds

An orientation preserving involution on an oriented 3-manifold is called a real structure.

Not every oriented 3-manifold admits a real structure. However, if there is a real structure on a 3-manifold then it can be shown that the manifold admits a special contact structure called a real contact structure. In this talk, we state a series of results that we use to prove that existence.

This is a joint work with Nermin Salepci.