

1132-14-121 **Blake Karl Winter*** (bkwinter@oakdland.edu), 46227 Jonathan Circle, Apt 111, Shelby TWP, MI 48317. *Welded n -links and cobordisms.*

Rourke has given a geometric definition of welded knots in terms of bundle morphisms and isotopies through such morphisms. This may be generalized to arbitrary dimensions. It also allows for a definition of welded cobordisms. For 1-links, a virtual cobordism gives rise to a welded cobordism, which gives rise to a classical cobordism. This allows for a straightforward proof that virtually/welded cobordant classical knots are classically cobordant, as well as showing that the classical slice genus is equal to the virtual/welded slice genus for classical knots. It also gives rise to a relationship between the classical slice/ribbon conjecture and slice/ribbon conditions on virtual and welded knots. (Received July 18, 2017)