1107-57-197 **Tye Lidman*** (`tlid@math.utexas.edu`) and **Steven Sivek**. *Contact topology and reducible surgeries.*

The Cabling conjecture is a classical problem in three-manifold topology which attempts to characterize the knots in the three-sphere for which Dehn surgery results in a non-prime manifold. We use standard results in three- and four-dimensional contact and symplectic topology to study this problem. (Received January 14, 2015)