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**Taylor E Martin\*** ([taylor.coon@gmail.com](mailto:taylor.coon@gmail.com)), Rice University Dept of Mathematics, 6100 S. Main Street, Houston, TX 77005. *Classification of 0-solvable links.*

The  $n$ -solvable filtration, defined by Cochran, Orr, and Teichner in the late 90's, gives structure to the smooth knot and link concordance groups. Much is known about the  $n$ -solvable filtration of the knot concordance group for small  $n$ . For example, a knot is 0-solvable if and only if it has Arf invariant zero. Moreover, a knot is 0.5-solvable precisely when its Seifert matrix looks like that of a slice knot, called algebraically slice. However, very little is known for links. In this talk, we will completely classify 0-solvable links. (Received August 01, 2011)