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**Daniel S Silver\*** ([silver@jaguar1.usouthal.edu](mailto:silver@jaguar1.usouthal.edu)), Department of Math and Stat, ILB 325, University of South Alabama, Mobile, AL 36688, and **Susan G Williams** ([swilliam@jaguar1.usouthal.edu](mailto:swilliam@jaguar1.usouthal.edu)), Dept of Math and Stat, ILB 325, University of South Alabama, Mobile, AL 36688. *Twisted Links and Alexander Invariants.*

Let  $L = \ell_1 \cup \cdots \cup \ell_{d+1}$  be an oriented link in the 3-sphere, and let  $L(q)$  be the  $d$ -component link  $\ell_1 \cup \cdots \cup \ell_d$  regarded in the homology 3-sphere that results from performing  $1/q$ -surgery on  $\ell_{d+1}$ . Results about the Alexander polynomial and twisted Alexander polynomials of  $L(q)$  corresponding to finite-image representations are presented. The behavior of the invariants as  $q$  increases without bound is described. (Received January 17, 2012)