

## Steve Tedford

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### A Bound on the Size of Alternating Links

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In 1972 Robert Riley proved that, for any given positive integers  $n$  and  $c$ , only a finite number of alternating links have an Alexander polynomial with degree  $n$  and constant term  $c$ . I will show that the number of crossings of such links is bounded and determine a bound. I will also exhibit examples for which this bound is achieved.

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