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John Krueger* (jkrueger@unt.edu), Department of Mathematics, University of North Texas,
1155 Union Circle #311430, Denton, TX 76210. *A forcing axiom for a non-special Aronszajn tree.*

Suppose that T^* is an Aronszajn tree with no stationary antichain. We introduce a forcing axiom $\text{PFA}(T^*)$ for proper forcings which preserve these properties of T^* . $\text{PFA}(T^*)$ implies many of the strong consequences of PFA , such as the failure of very weak club guessing, that all of the cardinal characteristics of the continuum are greater than ω_1 , and the P-ideal dichotomy. On the other hand, $\text{PFA}(T^*)$ implies some of the consequences of diamond principles, such as the existence of Knaster forcings which are not stationarily Knaster. (Received September 12, 2018)