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Thomas Lam, Alexander Postnikov and Pavlo Pylyavskyy* (pasha@mit.edu). *From Schur Positivity to Schur Log-Concavity.*

We prove Okounkov's conjecture, a conjecture of Fomin-Fulton-Li-Poon, and a special case of Lascoux-Leclerc-Thibon's conjecture on Schur positivity and derive several more general statements using a recent result of Rhoades and Skandera. (Received September 13, 2005)