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Andreas Rosenschon* (axr@math.buffalo.edu), University at Buffalo, SUNY, 244
Mathematics Building, Buffalo, NY 14260. *A Lefschetz (1,1)-theorem for proper seminormal
complex varieties.*

For a proper smooth complex variety, the Lefschetz (1,1)-theorem describes the image of the cycle map that assigns to a line bundle its integral cohomology class. The obvious analogue of this theorem for singular varieties is false. We state and prove a 'revised' Lefschetz (1,1)-theorem for proper seminormal varieties. This is joint work with L. Barbieri-Viale and V. Srinivas. (Received August 30, 2005)