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David Eisenbud* (de@msri.org), Dept of Math, UCB, Berkeley, CA 94720. *The hyperbolas in the plane and bundles on $P^1 \times P^1$.*

Frank Schreyer and I described the cone of cohomology tables of vector bundles on P^n as part of our proof of the Boij-Soederberg conjectures. I will explain our recent explorations of the corresponding question for vector bundles on $P^1 \times P^1$. Integral points on certain plane hyperbolas seem to play a key role. (Received January 26, 2010)