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**Benjamin Howard\*** (howardbj@umich.edu), Math Dept, University of Michigan, Ann Arbor, MI 48109, and **John Millson, Andrew Snowden** and **Ravi Vakil**. *The geometry of eight points in projective space.*

We describe a fascinating relationship between the Geometric Invariant Theory quotients  $(\mathbb{P}^1)^8//\mathrm{PGL}_2$  and  $(\mathbb{P}^3)^8//\mathrm{PGL}_4$ . (Received September 14, 2010)