1023-01-762   **John McCleary*** (`mccleary@vassar.edu`), Department of Mathematics, Vassar College, Poughkeepsie, NY 12604-0069. *Geometric constructions and algebra: Wanzel's impossibility proof.* Preliminary report.

This talk is based on a close reading of Wanzel's 1837 paper in which he organizes and presents what was known about geometric construction problems and definitively proves the impossibility of trisecting an angle and duplicating a cube. A gentle introduction to construction problems will also be presented. (Received September 21, 2006)

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