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Colin Bryan Powell McKinney* (mckinnec@wabash.edu), Wabash College, 301 W Wabash Avenue, Crawfordsville, IN 47933. *Polar coordinates and history through video games*. Preliminary report.

This talk will concentrate on the mathematical aspects of two recent video games, *Kerbal Space Program* and *Engare*, and how this mathematics can fit into university mathematics curricula. It will also discuss how these games and their mathematical content can be used as a bridge to motivate the study of the history of mathematics, particularly the works of Kepler, Ptolemy, and al Tusi. (Received February 20, 2018)