

4-16-2002

Curves of Pursuit Using Differential Equations and Matlab

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Recommended Citation

Charity B. Hein and Nicole J. Smith (2002). *Curves of Pursuit Using Differential Equations and Matlab*.
http://opus.ipfw.edu/stu_symp2002/34

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CURVES OF PURSUIT USING DIFFERENTIAL EQUATIONS AND MATLAB

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Differential equations are used to model the path of a pursuer chasing its prey. This path is called a **curve of pursuit**. Some interesting real-life examples are investigated and the curves of pursuit are determined exactly or numerically. Several simulations are presented using the mathematical software package Matlab.