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Lessons Learned in the Dissemination of the CalcPlot3D OER Applet and Exploration Activities.

CalcPlot3D (see <http://web.monroecc.edu/calcNSF/>) is a freely available applet which aids instructors and students in visualizing multivariable calculus concepts. Accompanying this applet are discovery-learning activities that facilitate the exploration of geometric interpretations of the dot product, cross product, velocity and acceleration vectors, lagrange multipliers, etc. The applet and explorations receive over 150,000 page views annually. This presentation will discuss some of the challenges involved in disseminating these educational resources over the past ten years as Java became obsolete and the user base outgrew the initial methods (SurveyMonkey) for administering the explorations. The applet is now translated into JavaScript, working on tablets and phones as well as computers, and the explorations are delivered in WeBWorK. This project is funded by NSF-IUSE 1524968, NSF-IUSE 1523786, and NSF-IUSE 1525216. (Received September 26, 2017)