

1086-H1-143

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The CUPM has repeatedly stressed the need to encourage bridges between mathematics and related disciplines, particularly in courses that serve those disciplines. Multivariable calculus is an excellent course to demonstrate how the tools of calculus are used in physics. This course will discuss examples of such content as well as how current technology facilitates their coverage, encouraging students to continue their studies in both disciplines. (Received July 27, 2012)