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Project Proposal

**Integration by Substitution**

The purpose of the website will be to inform users on the correct usage of integration by substitution, also known as U-Substitution. Integration by substitution is a very important part of mathematics; and understanding the concept is crucial to succeeding in Calculus. The web site should accomplish an informative format, with plenty of resources for the user to learn their own way. This will include, but not be limited to; sample problems, simulation video, and tutorial videos. The user will also be able to test their knowledge with a quiz.

The intended audience for this website will be primarily college students currently struggling with the concept. I would also expect to get some high school traffic, so the page should be built around an early to mid-20’s design standard. The problem my site is addressing is the problem that some students have on comprehending U-Substitution material, and provides alternative ways to grasp the concept outside of the classroom.

Similar Sites

<http://www.math.ucdavis.edu/~kouba/CalcTwoDIRECTORY/usubdirectory/USubstitution.html>

<http://www.math.hmc.edu/calculus/tutorials/substitution/>