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45103. *Facilitating collaboration in online multivariable calculus course via Google docs.*

Online students often miss the opportunity to learn from peer interaction. However, increasing social presence and student-student interaction can optimize student success and satisfaction in online courses (Anderson, T., 2009). During this presentation I will elaborate on a group project that I successfully implemented in my online multivariable calculus course on the concept of limits. Proper understanding of the concept of limits is fundamental to learning calculus. The manifold and complex concept of limits is first introduced in Calculus 1. Often even high achievers exit the course with an incomplete understanding of this concept. The limit concept gets even more complex when discussed in the context of functions with more than one variable. A group activity on the topic of limits will be useful for students' understanding the concept in multivariable setting. The use of google docs as the technological medium made this group project easy to implement in an online environment. (Received September 22, 2015)