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Mary E Pilgrim, 1874 Campus Delivery, Fort Collins, CO 80523, and **Jessica R Gehrtz***
(jrgehrtz@gmail.com), 1874 Campus Delivery, Fort Collins, CO 80523. *Optimization Problems:
Understanding Students' Struggles.*

Students struggle with solving problems that are within the context of a real-world situation. We explored student thinking through various levels of Calculus I optimization problems. We will share what was learned from student responses, curriculum and instructional impacts, and how we plan to connect findings to GTA training. (Received August 12, 2016)