

# Understanding Definite Integrals in Various Contexts with Modified Tasks

**Dae S. Hong**, *University of Iowa*

In this article, we share possible tasks that would positively influence students to think about the product layer and adding up pieces to understand definite integrals in various contexts. Since students often successfully compute definite integrals without necessarily knowing the meaning behind them, it is meaningful and productive to use the product layer and adding up pieces to think more precisely about what each notation represents to understand why definite integration is useful in science and engineering contexts.

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**Dae S. Hong** is an associate professor of mathematics education at the University of Iowa. He is interested in the teaching and learning of calculus and curriculum analysis. He earned a BA in mathematics from New York University and then an MS and EdD in mathematics education from Teachers College, Columbia University. He also loves to go to movies and listen to music.