

## ANALYSIS OF CURRENT SITUATION OF DERIVATIVE TEACHING AND LEARNING IN SENIOR HIGH SCHOOL

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### ABSTRACT

The derivative course in senior high school has always been a difficult point for teachers' teaching and students' learning. As the basic knowledge of integral and differential, derivative is the connection between university and senior high school, and derivative knowledge is relatively abstract. How to get in touch with reality and show the practical significance behind derivative knowledge is a difficult point to overcome in derivative teaching. This paper summarizes and analyzes the phenomena existing in teachers' teaching and students' learning of derivative links in senior high schools, and provides reference for future research.

**Keywords:** High school mathematics, derivative teaching, derivative in high school.