

1114-97-334

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Discovering Geometry: An Axiomatic Approach.

In this talk I am analyzing the methods and the implementation of the geometry book with the same title, written in collaboration with W. G. Boskoff, into a General Education curriculum.

The main idea that motivated us to write this work is the important educational content lying within Hilbert's axiomatic system. In this spirit, we wrote a focused presentation, relying on this approach, whose aim is to address the topic to the contemporary students. Our material is designed primarily as an introduction to the subject of axiomatic geometry. The originality of this approach consists in inviting the reader to self-discover and build Geometry from scratch, without the need for defining sophisticated mathematical prerequisites.

In the end I am including a brief assessment of the implementation of this method into GE, major and Honors courses for over a decade. (Received September 01, 2015)