

An Analysis of How Technological Advancements Have Shaped Algebraic Thought

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Abstract: Algebraic thinking is the ability of students to analyse, infer, solve problems, foresee, defend, and illustrate concepts as well as model particular situations. Many contemporary educators advocate using technology in the teaching and learning of algebraic thinking as an alternative to approaches that do not use computers. This research report discusses the ramifications of using technology in education, particularly in higher education, to promote algebraic thinking. It is suggested that more extensive research be conducted, with an emphasis on examining the characteristics of algebraic thinking, on the use of technology to promote algebraic thinking

Keywords: Algebraic Thinking, Technology-based learning