

Technology and the Yin&Yang of Mathematics Education

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ABSTRACT

We develop a model comprising six teaching and learning archetypes and use this model to look at the various roles that technology, in particular computer algebra systems (CAS), can play for each.

(Comment: This is a repetition of my keynote lecture from the TIME conference in South Africa. At the same time this is a summary of my personal research work in this area of the previous 25 years. So, in a way, this complements my farewell to the community as is done with my other lecture entitled “The Past and the Future of Computer Algebra in Mathematics Education”.)

Keywords

CAS, teaching and learning models.