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**Theories of thinking about the use of CAS in teaching and learning mathematics.**

Fey, James T. et al., Computer algebra systems in secondary school mathematics education. National Council of Teachers of Mathematics, Reston, VA (ISBN 0-87353-531-6). 33-52 (2003).

I write this chapter, not as an authority on theories of learning but as an educator drawn to a range of theories that seem promising in explaining the impact of the use of CAS in mathematics education. I focus on theories that "inform" my understanding of learning as it relates to the use of CAS and share some ideas that may help mathematics teachers think about teaching and learning mathematics using CAS. (Author's abstract)

*Classification:* U70 R20 D30