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*Orchestrating Desmos: Rethinking thinking about digital technology*

Desmos is an online web-based calculator that has calculating, graphing and geometric functionalities. It has become popular and, in many jurisdictions, it has replaced handheld graphing calculators. This however is not simply a substitution of tools, the functionality and resources within Desmos goes far beyond any previous graphing tool. The resulting pedagogy, management and technico-mathematical development is not at all obvious or simple. In this talk, I draw on Ruthven's structuring features framework to highlight how digital technology prompts a fundamental restructuring and rethinking of mathematical practice and learning.