

***Supporting Students' Quantitative & Covariational Reasoning:
Designing & Implementing Tasks Linking Dynamic Animations and Graphs***

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This study investigates the following question: How do students coordinate linked dynamic graphical and pictorial representations of covarying quantities? Using purposefully designed mathematical tasks this research intends to support students' drawing on their informal reasoning to mathematize situations involving covarying quantities. The session will explore the interaction between task design in this domain and emergent student reasoning.