

Engagements with Multimodal Mathematical Text:

Analysis of task's design

&

Research of the learning with tasks' sequences

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Resources:

Interactive Textbook (tasks' sequences)

Interactive Textbook (sequences of tasks, tools & interactive diagrams):

<http://www.cet.ac.il/math/function/english/>

Semiotic framework to guide the design of Interactive task: A Micro analysis

Yerushlamy, M. (2005). [Functions of Interactive Visual Representations in Interactive Mathematical Textbooks](#). *International Journal of Computers for Mathematical learning*, 10.

Interactions with Interactive Tasks: Research findings

Research reports, Materials, videos of students' problem solving, presentations:

<https://sites.google.com/site/interactivediagrams/>

Yerushalmy, M. & Naftaliev, E. (2011). [Design of Interactive Diagrams Structured Upon Generic Animations](#). *Technology, Knowledge and Learning*, 16(3), pp. 221-245.
DOI:10.1007/s10758-011-9183-0.

Naftaliev, E., & Yerushalmy, M. (2011). [Solving algebra problems with interactive diagrams: Demonstration and construction of examples](#). *Journal of Mathematical Behavior*, 30(1), pp. 48-61.