

SFB/TR 8 Spatial Cognition / IQN Video Conference

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Cognitive Architectures to Support Diagrammatic Imagination

Diagrams -- both external and internal -- are ubiquitous as support for human reasoning. Cognitive architectures, such as Soar and Act-R, view cognition entirely within the framework of predicate-symbolic representations. However, even when using external diagrams, diagrammatic reasoning calls for the construction of internal diagrams, i.e., diagrammatic imagination. In this talk, I describe DRS, a representation framework that we have been developing for a number of years, to support diagrammatic reasoning and imagination. I will also remark on the implications our work on my long-term goal of developing a view of cognition as basically multi-modal.

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informelle Kaffeerunde: 15:15

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