

SFB/TR 8 Spatial Cognition / IQN Video Conference

Modelling Spatial Proximity

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The concept of proximity is an important aspect of human reasoning. Despite the diversity of applications that require proximity measures, the most intuitive notion is that of spatial nearness. In this talk, we will investigate the underpinnings of the notion of nearness, explore suitable formalisations and their implications to the processing of geographic data. I propose that nearness should be defined from impact areas which take both the nature of an object and the surrounding environment into account. Context is introduced to incorporate the wealth of knowledge that is brought into the processing of geographic data by end users.

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