

STRING DIAGRAMS FOR TEXT

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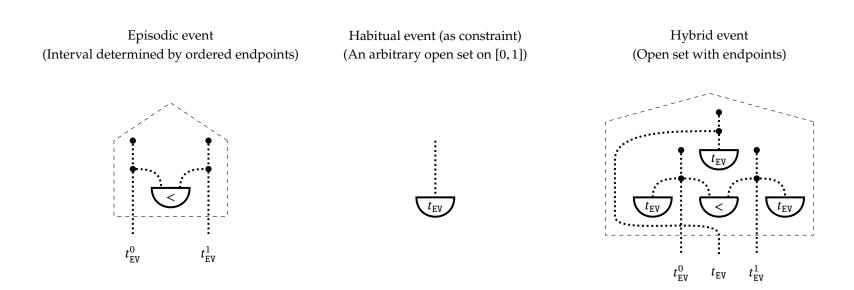
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Continuous relations for semantics

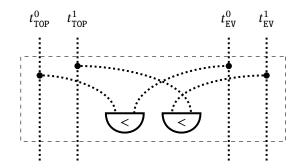
We want to reason formally with and about pictorial iconic representations, of the sort one might draw to solve a problem in elementary geometry stated in words, involving topological concepts such as touching and inside. To do this in string diagrams, I introduce and investigate the category of continuous relations, ContRel.

1.0.1 A text-circuit analysis of temporal anaphora

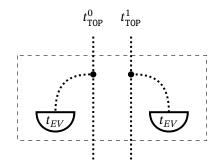
Definition 1.0.1.



Perfective: $t_{\text{EV}} \subseteq t_{\text{TOP}}$ (Event time contained within topic time)



Imperfective: $t_{TOP} \subset t_{EV}$ (Episodic time contained within habitual event time)



2 Bibliography