

Formal Software Connectors

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Abstract. Nowadays, as relevant as components themselves, are the ways in which they can be put together in order to achieve some common goal. Such is the role of the so-called software connectors: external coordination devices which ensure both the flow of data and synchronization constraints within a component's network. This work reports a new model for software connectors, based on relations extended in time and discusses some results as well as a some preliminary work on laws of refinement calculus.