

SOFAnet 2

MASTER THESIS

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Abstract: The aim of SOFAnet 2, as a network environment of the SOFA 2 component system, is to exchange components between SOFAnodes in a simple and rational way. Current concerns of the SOFA 2 users about software distribution are analyzed and discussed. New high level concepts of Applications and Components are defined together with their mapping to SOFA 2 first class concepts, means of distribution and removal. Furthermore a methodology to keep SOFA 2 repository clean is introduced. All new elements as concepts and operations are studied using a formal set model. The proposed concept of SOFAnet 2 is proved by a prototype implementation.