

Basic principles

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Computer modelling and simulation now plays a very important role in the development of new processes, structural modelling and technical systems in order to make them as safe, efficient and reliable as possible. As science and systems increase in complexity, so does the amount of computation required to model them effectively, as well as to visualise the results in a human conformable way. VEPPAR is a Grid Service Library Applications Framework running on the SEE-GRID infrastructure whose main aim is to provide an, as much as possible, generic tool(chain) which would enable scientists, researchers, artists and other users with a system in which it is reasonable easy to define algorithms necessary for computer supported experiments, i.e. simulations, and visualise the results.