

Fusion applications on the EGEE grid

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This work deals with the problems solved in fusion research by means of grid computing. The computing necessities for fusion are discussed and the applications that have been ported to grid as well as their main physical results are described. The range of plasma physics research covered by this set of tools is analysed and the future of grid computing for fusion research is discussed. The possibility of establishing complex workflows between grid and high performance computers (HPC) applications has been also explored.

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