TEX File Server

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Abstract

Repeated re-processing of TEX documents is a widely used technique for resolving references and generating properly placed graphics. In this process the data structures for efficient finding of files built by kpathsea are lost after each run.

We will discuss how this problem can be eliminated by developing a TEX file server. The added value will be cross-network transparency and resource sharing. In the paper we discuss the possible approaches, propose the server protocol and integration with kpathsea. The prototype of the server will be demonstrated.