

# **Analysis of Spatial Locality in Search Engines Using P2p Network**

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## **ABSTRACT**

Geographical locality in search results is of importance to the end user. However, it is a nontrivial problem. We propose P2P based Search Engine server architecture as a solution to the problem. The search result is fragmented into categories based on hop counts to hit. We map the system to a P2P file sharing network model based on probabilistic distribution and analyse a simulation model to assess the feasibility of implementing such a system.

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