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Application of computational geometry to network location problems

The main objective of this talk is to show that computational geometry tools can be effectively applied to solve network location problems. In particular we show that the *p-center* problem in general networks can be transformed to Klee's measure problem (KMP) in computational geometry. When the underlying network is a partial k-tree (k-fixed), we showed that the *p-center* problem can be efficiently solved by transforming the problem to a range search problem.