

Minimum Cut in Directed Planar Networks

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Abstract: An algorithm which for any planar directed network with n nodes finds its minimum cut in time $O(n \log^2(n) / \log(\log(n)))$ is presented. For the case of s - t -network this time is reduced by the factor of $\log(n)$, i. e. to $O(n \log(n) / \log(\log(n)))$.

Keywords:

AMS Subject Classification: