

Oberseminar Theoretische Informatik
Sommersemester 2006

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**A Fixed-Parameter Algorithm for the
Minimum Weight Triangulation Problem Based
on Small Graph Separators**

Mo, 12.06.2006 um 14 Uhr (s.t.) im SR 226 (Carl-Zeiß-Str. 3, 2. Stock).

We present a fixed-parameter algorithm which computes for a set P of n points in the plane in $O(2^{c\sqrt{k}\log k} \cdot k^2 n^3)$ time a minimum weight triangulation. The parameter k is the number of points in P that lie in the interior of the convex hull of P and $c = (2 + \sqrt{2})/(\sqrt{3} - \sqrt{2}) < 11$.

Internetseite der Veranstaltung:

<http://theinf1.informatik.uni-jena.de/teaching/ss06/oberseminar-ss06>