



UNIVERSITÄT
BAYREUTH



Informatik-Kolloquium

Die Angewandte Informatik VI lädt ein

ZUM THEMA

**Finding Largest Rectangles in
Convex Polygons**

ABSTRACT

We consider the following geometric optimization problem: Find a maximum area rectangle and a maximum-perimeter rectangle contained in a given convex polygon with n vertices. We give exact algorithms that solve these problems in a time $O(n^3)$. We also give fast $(1-\varepsilon)$ -approximation algorithms.



Herr Prof. Dr. Otfried Cheong

(Korean Advanced Institute of Science
and Technology)

Wann

Mittwoch, 23.07.2014

13.00 Uhr c.t.

Wo

Hörsaal H 34

(AI)