DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
ODENSE UNIVERSITY

COMPUTER SCIENCE COLLOQUIUM

On Optimal Ear-Decompositions of Graphs

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The Seminar Room

Abstract: We give a short survey on the results concerning ear-decompositions. Particularly, we shall concentrate on optimal ear-decompositions containing minimum number of even ears.

In the second part of the talk we shall investigate matching-covered graphs. A connected graph G is matching-covered if each edge belongs to some perfect matching of G. A short and simple proof will be given for the "Two Ear Theorem" of Lovász and Plummer on matching-covered graphs.

Jørgen Bang-Jensen