Ear Search User Guide

Version 1.0

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Abstract

The Ear Search program implements isomorph-free generation of 2-connected graphs by ear augmentations. This document describes the interfaces used for customized searches, as well as describes three example searches: unique saturation, edge reconstruction, and extremal graphs with a fixed number of perfect matchings.

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- **6 Example 0: Enumerating All 2-Connected Graphs**
- 7 Example 1: Unique Saturation
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- 9 Example 3: Perfect Matchings