Approximation Algorithms

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1. The Multiway cut problem.

- (a) History and related problems, especially mincuts.
- (b) Isolating cuts.
- (c) The isolating cut based algorithm and analysis.
- (d) Tightness analysis.

2. The minimum k-cut problem.

- (a) The Gomory-Hu Tree and s t min-cuts.
- (b) Connecting edges of the Gomory-Hu tree and components.
- (c) The Gomory-Hu tree based algorithm and analysis.
- (d) Tightness analysis.