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Edge Coloring: A Natural Model for Sports Scheduling

Tiago Januario, Sebastián Urrutia, Celso C. Ribeiro, Dominique de Werra

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Highlights

- We apply edge coloring theory to construct schedules for sports tournaments.
- Local search neighborhoods are modeled in terms of edge coloring operators.
- The standard definitions of neighborhoods in local search are extended.
- We show the theoretical and practical importance of graph models for such problems.

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