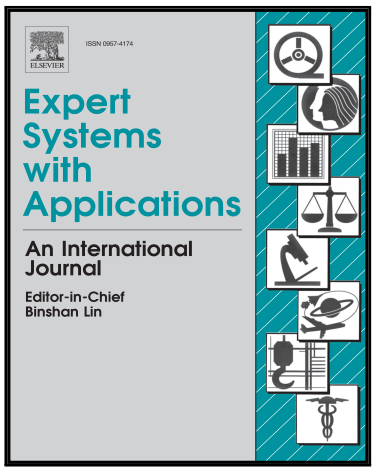

Feature Selection for Optical Network Design via a New Mutual Information Estimator

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Highlights

- Feature Selection of topology parameters to support optical network design systems
- New mutual information via entropy estimation to filter the most important parameters
- Real-world and random-generated optical networks are under study
- Some parameters related to congestion, connectivity, distance, and degree stand out
- Wavelengths use, an NP-hard metric, explained by polynomial computation time features