Common Goals of Benchmarking Studies

Carola Doerr, Thomas Bartz-Beielstein, Boris Naujoks
Good Benchmarking Practice

Common interest to improve benchmarking

- No good resource available? WRONG!

- **Benchmarking in Optimization: Best Practice and Open Issues**
  - Thomas Bartz-Beielstein, Carola Doerr, Jakob Bossek, Sowmya Chandrasekaran, Tome Eftimov, Andreas Fischbach, Pascal Kerschke, Manuel Lopez-Ibenez, Katherine M. Malan, Jason H. Moore, Boris Naujoks, Patryk Orzechowski, Vanessa Volz, Markus Wagner, Thomas Weise
  - 10 chapters, 11/54 pages of reference

- **Benchmarking Network**: [https://sites.google.com/view/benchmarking-network/](https://sites.google.com/view/benchmarking-network/)
Common Goals of Benchmarking Studies

- Visualization and Basic Assessment
- Sensitivity of Performance
- Performance Extrapolation
- Theory-Oriented Goals
- Benchmarking in Algorithm Development
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- G4.3 Benchmarking as Intermediary between Theory and Practice

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