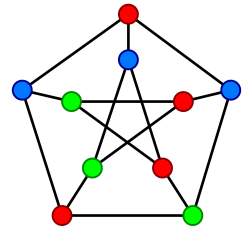
Preamble



- Graph algorithms?
- Schedule
  - 14 weeks
  - Course: Mon. 11am (room 301)
  - Exercises: Mon. 2pm (room 301)
- Evaluation
  - Exam
  - Mini-course
- People
  - Arnaud Casteigts (course)

  `arnaud.casteigts@unige.ch`
  - Himika Das (exercises)

  `himika.das@unige.ch`
- Resources

  `https://arnaudcasteigts.net/teaching/`

  + Moodle (exercises, communication)

- Content (indicative)
  1. Definitions and basic concepts
  2. Traversals, connectivity testing, shortest paths
  3. Minimum spanning trees and matroids
  4. Basics of computational complexity (NP-hardness, reductions, etc.)
  5. Graph coloring, Independent sets, Cliques
  6. Maximum matchings
  7. Approximation algorithms
  8. Random walks & Markov chains
  9. Distributed graph algorithms
  10. Temporal graph theory (I)
  11. Temporal graph theory (II)
  12. Temporal graph theory (III)

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  13. Student presentations (I)
  14. Student presentations (II)