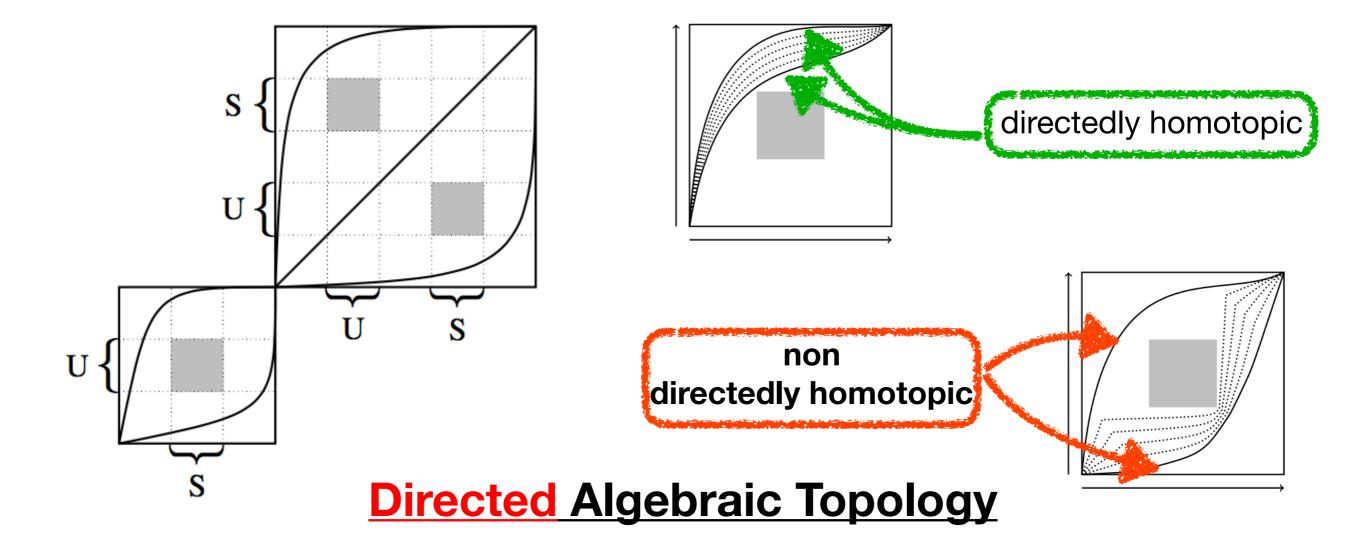
Computation of Natural Homology

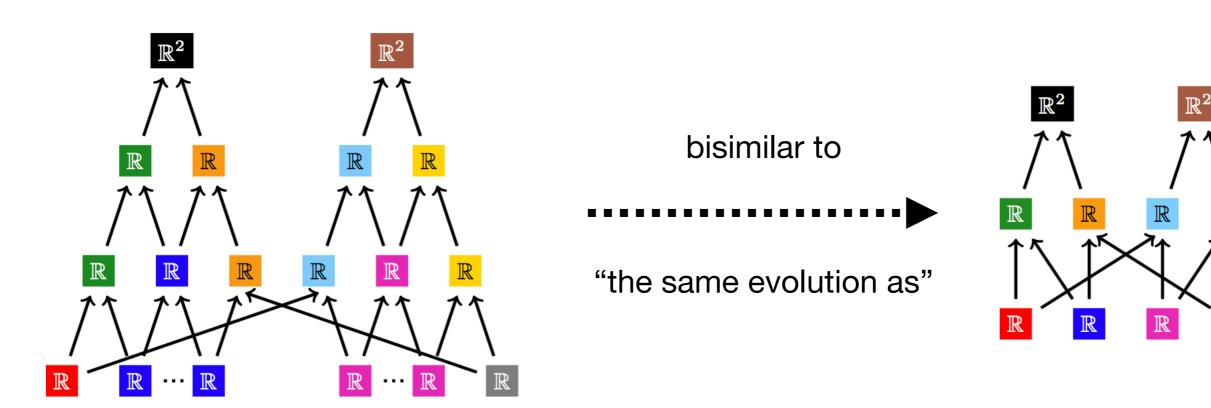
Jérémy Dubut National Institute of Informatics ERATO MMSD







Computation of Natural Homology



given by the geometry (continuous)

given by the combinatorics (discrete)

Natural Homology is:

- an invariant modulo directed homotopy
- precise enough in many cases
- computable for simple truly concurrent systems
- partially modular

J. Dubut, J. Goubault-Larrecq, E. Goubault, Natural Homology. In ICALP'15