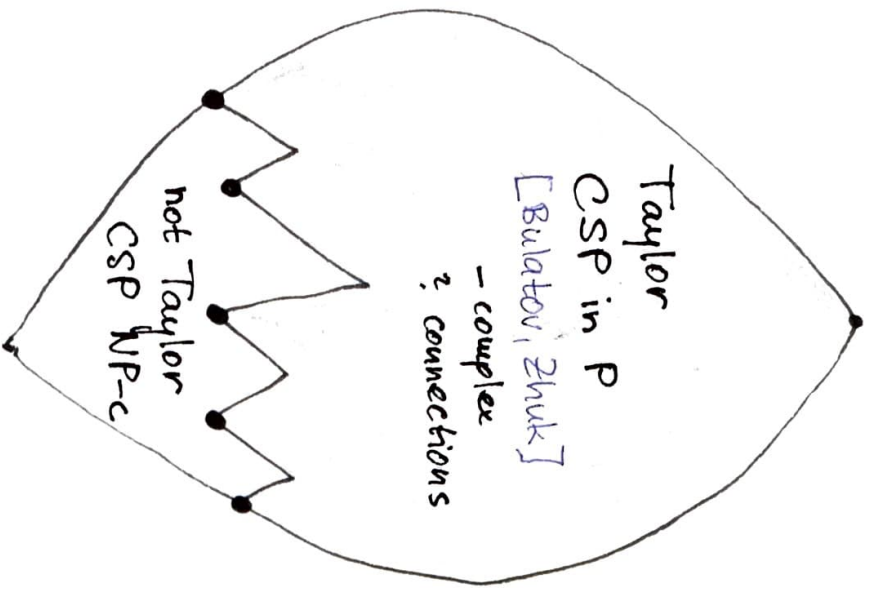


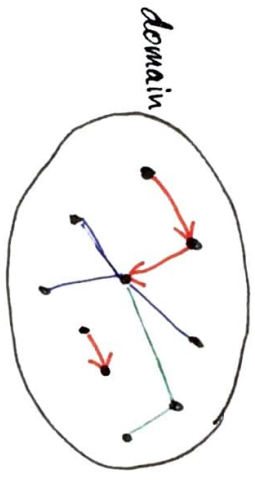
Minimal Taylor Algebras & CSPs, Barto, Brady, Bulatov, Kozeik, Zhuk

CSP dichotomy



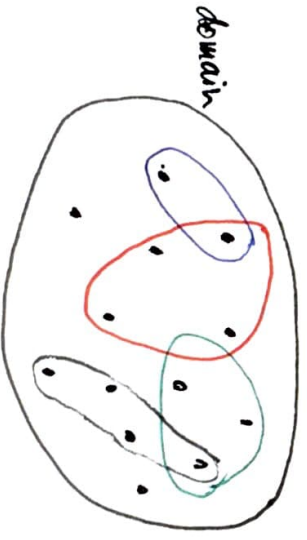
Bulatov

- 3 types of edges
- local
- Thm: connected



Zhuk

- 4 types of subsets
- global
- Thm: \exists



Results

Taylor clones

- 1 result that implies both Thms

Minimal Taylor clones

- sufficiently general
- much nicer

- Concepts simpler, stronger properties
- edges, 3-absorption = canker
- connections Bulatov - Zhuk
- 2-absorbing = stable under edges
- 3-ary operation witnessing
- edges, absorption
- generates the clone
- switching edges \leftrightarrow types \leftrightarrow ...
- ② characterization possible?