

## Second paper

### **Mechanized Subject Expansion in Uniform Intersection Types for Perpetual Reductions**

Authors: Andrej Dudenhefner (Dortmund, Germany) and Daniele Pautasso (Turin, Italy)

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- ▶ Typed  $\lambda$ -calculus
- ▶ Simple type theory  $\lambda \rightarrow$ ; intersection types  $\lambda \cap$ .
- ▶ Analysing  $\beta$ -reduction: weak normalization and strong normalization
- ▶ Perpetual strategies
- ▶ Refining  $\beta$ -reduction