

Nominal C-unification

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Abstract. The nominal approach allows us to extend first-order syntax and represent smoothly systems with variable bindings. Nominal unification is, therefore, the extension of first-order unification modulo α -equivalence by taking into account this nominal setting. In this talk, we revisit nominal C-unification (nominal unification with commutative operators) and talk about our current work in progress in this area. This is a joint work with Mauricio Ayala-Rincón, Daniele Nantes-Sobrinho, Maribel Fernández and Washington de Carvalho-Segundo.