

## Lifting the Nominal Commutative Narrowing

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Zoom Meeting:

<https://us02web.zoom.us/j/89412679078?pwd=ZjV6b3BvaGYwNFVLWXJaTWd6TjVWZz09>

**Abstract.** Narrowing is a well-known approach for *equational unification*, that is, to solve term equations modulo an equational theory  $E$ . It is complete whenever the equational theory  $E$  is presented as a convergent rewrite system. Our goal in this talk is to extend one of the most important results of related to narrowing – the Lifting Theorem - to the nominal framework considering the *commutative* case. In particular, we will discuss the difficulties to obtain correctness and completeness proofs in this setting of nominal narrowing modulo commutativity.