

Nominal Disunification

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Abstract. In this talk we present a first approach to extend the notion of disunification problems into the nominal syntax. The idea is to follow Brücker and Buntine [1] approach to solve disunification problems, which considers only finitary theories. We observe that the extension to nominal should take account α -equality and freshness conditions, in this context, we re-define the notion of solutions with exceptions and we present a first attempt to prove a decidability result.

References

- [1] Buntine, W. and Brücker, H-J. *Solving Equations and Disequations*. Journal of the ACM, volume 41(4), pages 597-629, 1994.