1122-03-230 Alessandra Palmigiano\* (a.palmigiano@tudelft.nl), van Breestraat 131, 1071ZL Amsterdam, Netherlands. Linear Logic Properly Displayed.

We introduce *proper* display calculi for Intuitionistic and Classical Linear Logic which are sound, complete, conservative, and enjoy cut-elimination and subformula property. Properness (i.e. closure under uniform substitution of all parametric parts in rules) is the main interest and added value of the present proposal, and allows for the smoothest Belnap-style proof of cut-elimination. Our proposal builds on an algebraic and order-theoretic analysis of the semantic environment of linear logic, and applies the guidelines of the multi-type methodology in the design of display calculi. (Received August 15, 2016)