Addenda and Corrigenda to
„Sequent-Systems and Groupoid Models”

The following rule, which generalizes the rule (Mingle) of [2], 1.3:

\[
\frac{Y[X_1] \vdash A \quad Y[X_2] \vdash A}{Y[X_1, X_2] \vdash A}
\]

can replace (Expans) in extensions of GL which have (Assoc), (Perm) and (Contr). This rule makes it possible to prove via cut-elimination that RAM⁻, i.e. the (→, ∧, ∨, ⊥) fragment of the system RAM⁺ of [2], 2.7–2.9, is given by RA⁻ plus \( A \to (A \to A) \). The implicational fragment of \( RAM^+ \) is given by \( R_\to \) plus \( A \to (A \to A) \). This last system is called \( R\Pi\Omega_\to \) in [1], § 8.15.

The following serious misprints should be corrected in [2]: p. 359, line 21: replace “(thin 1)” on the right by “(Thin r)”; p. 362, line 6: replace “\( \vdash A \)” by “\( \vdash Y \)”;
p. 363: the formulae displayed after line 4 should read:

\[
\frac{(\ast)}{X_1 \vdash A \quad X_2 [A] \vdash Y \quad X_2 [X_1] \vdash Y \quad X_2 [X_1] \vdash Y}
\]

References


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