Nominal Sets

Names and Symmetry in Computer Science

Errata

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Page 18, line 15: ‘The does give’ → ‘This does give’.

Page 21, line -8: ‘Theorem 1.9’ → ‘Proposition 1.9’.

Page 91: Because Exercise 9.4 is incorrect, the last sentence of Remark 5.26 should be deleted.

Page 166, lines -15, -16: ‘$(x,,A')$’ → ‘(x',A')’ (twice).

Page 175: Exercise 9.4 is incorrect as stated. For example, when $X = \mathbb{A}$ and $a \in \mathbb{A}$, then the element $a\backslash_{\emptyset} \in \mathrm{Frs}\,\mathbb{A}$ is by definition the $\sim_{\nu}$ equivalence class of $(a, \emptyset)$, which is

$$\{(a, A) \mid A \in \mathrm{P_f}\,\mathbb{A} \wedge a \notin A\}$$

and this is not an orbit-finite subset of $\mathbb{A} \times \mathrm{P_f}\,\mathbb{A}$ (because (a, A) and (a, A') are in different orbits if B and B' have different cardinalities).

However, one can change the representation of $\mathrm{Frs}\,X$ up to isomorphism as in (9.46) in Remark 9.17 to make its elements orbit-finite subsets, since from (5.28) we have $\langle A\rangle x = \mathrm{hull}_{\mathrm{supp}\,x-A}\{(A, x)\}$ when $A \subseteq \mathrm{supp}\,x$.

Page 226, line -1: ‘**Ndom**’ → ‘**Udcppo**’.

Page 262, line -23: ‘Chain complete p.o. sets’ → ‘Chain complete posets’.