Refinement Calculus – Errata

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Errors

- page 42, note after Lemma 2.5; and page 55, example 2.6. If A is a set and B is an atomic boolean lattice, than $(A \to B)$ is an atomic boolean lattice, where the atoms are $f_{x,a}$ in $(A \to B)$ with x in A, a an atom in B, and $f_{x,a}.y =$ if $x = y$ then a else 0 fi.

- page 55, example 2.1. The order should be given dually. Instead of "$m \leq n$ means that m is divisible by n", should be "$m \leq n$ means that m divides n".

- page 103, figure 5.2. The naming of the independence properties in the figure is not the same as in the text.

- page 145, line 3. "where $\sim$ is an arbitrary relation" should be replaced by "where $\sim$ is an arbitrary reflexive relation".

- page 270, Theorem 17.1(d). This should be

$$p \, \{\!| \, \{R\} \, |\!\} \, q \;\equiv\; p \subseteq \mathsf{dom}. \left(|q| \, ; R^{-1}\right)$$

- page 342-343. In the example, $((l + r)^2) \,\mathsf{div}\, 4$ should be replaced by $((l + r) \,\mathsf{div}\, 2)^2$.

Typos

- page 195, line 22. In the set notation of angelic update, there is a superfluous "}" at the end.

Acknowledgements