

## Errata

Page & Line(s)	Error	Correction
6 -6	$\Gamma\mu$	$\Gamma\text{Ind}\mu$
6 -5	$A\downarrow X \quad B\downarrow X$	$E \vdash \mu(X)A$ type $E \vdash \mu(Y)B$ type
9 8	symmetric	reflexive
14 -3	$\Gamma\mu$	$\Gamma\text{Ind}\mu$
14 -2	$A\downarrow X \quad B\downarrow X$	$E \vdash \mu(X)A$ type $E \vdash \mu(Y)B$ type
17 -10	$c(A)(\lambda(x:A)\lambda(y:B)y)$	$c(B)(\lambda(x:A)\lambda(y:B)y)$
20 -7	$\text{Rcd}(l_1:B_1, \dots, l_n:B_n)$	$\text{Rcd}(l_1:B_1, \dots, l_n:B_n)$
20 -3	$\text{Rcd}(l_1:A_1, \dots, l_n:A_n)$	$\text{Rcd}(l_1:A_1, \dots, l_n:A_n)$
20 -1	$\text{Rcd}(l_1:A_1, \dots, l_i:B, \dots, l_n:A_n)$	$\text{Rcd}(l_1:A_1, \dots, l_i:B, \dots, l_n:A_n)$
21 19	part 1	part 2
25 13	$\langle \prod_{a \in A} G(a), \Vdash_{\Gamma G} \rangle$	$\langle \prod_{a \in A} \text{In}(G(a)), \Vdash_{\Gamma G} \rangle$
26 1	by taking $G: \text{PER} \rightarrow \text{PER}$	by taking, for $A \in \text{PER}$ , $G: A \rightarrow \text{PER}$
29 1	3.5.1	3.4.2
32 -1	meaning of $R'$ . ... values	meaning of $R$ . ... realizers
34 2	$\llbracket E \vdash b:B \rrbracket$ ... for $\llbracket E \vdash$	$\llbracket E, X::K \vdash b:B \rrbracket$ ... for $e \mapsto \llbracket E \vdash$
34 -6,-5	$\llbracket K \rrbracket$	$\llbracket E' \vdash K \text{ kind} \rrbracket$
34 -4,-3	$\llbracket A \rrbracket$	$\llbracket E' \vdash A \text{ type} \rrbracket$
35 4,5	$\llbracket E \vdash L \text{ kind} \rrbracket$	$\llbracket E, X::K \vdash L \text{ kind} \rrbracket$
35 7	$\llbracket E \vdash B::L \rrbracket$	$\llbracket E, X::K \vdash B::L \rrbracket$
35 10	$\llbracket E \vdash K_n \text{ kind} \rrbracket$	$\llbracket E' \vdash K_n \text{ kind} \rrbracket$
35 12	$\llbracket E \vdash B \text{ type} \rrbracket$	$\llbracket E, X::K \vdash B \text{ type} \rrbracket$
35 15	$\llbracket A_n \rrbracket$	$\llbracket E' \vdash A_n \text{ type} \rrbracket$
35 19	$\llbracket E \vdash B \text{ type} \rrbracket$	$\llbracket E, X::K \vdash B \text{ type} \rrbracket$
35 21	$\llbracket E \vdash b:B \rrbracket$	$\llbracket E, X::K \vdash b:B \rrbracket$
36 3	$\llbracket E \vdash b:B \rrbracket$	$\llbracket E, x:A \vdash b:B \rrbracket$
36 13	$\llbracket E \vdash B \text{ type} \rrbracket$	$\llbracket E, X::K \vdash B \text{ type} \rrbracket$
37 -1	$(\lambda(X<:B)(\lambda x:X)d)$	$(\lambda(X<:B)\lambda(x:X)d)$
38 4,8,12	$(\lambda(X<:B)(\lambda x:X)d)$	$(\lambda(X<:B)\lambda(x:X)d)$
38 19	$\lambda(x:A)(\lambda(y:B)e)x$	$\lambda(x:A)(\lambda(y:B)e)x \quad (x \notin \text{FV}(\lambda(y:B)e))$
40 -2	$\forall q \in \omega. \dots \omega \times A$	$\forall q \in \mathcal{D}. \dots \mathcal{D} \times A$
41 -13,-12,-11,-10	$\llbracket E \vdash L \text{ kind} \rrbracket$	$\llbracket E, X::K \vdash L \text{ kind} \rrbracket$
42 -3,-3	$\llbracket A_n \rrbracket$	$\llbracket E' \vdash A_n \text{ type} \rrbracket$
43 7	$\llbracket E \vdash B \text{ type} \rrbracket$	$\llbracket E, X::K \vdash B \text{ type} \rrbracket$
44 -16	$\Sigma = \bigcap_{A::K} \llbracket \llbracket E \vdash B \{X \leftarrow A\} \text{ type} \rrbracket e \rrbracket$ .	$\Sigma = \bigcap_{A::K} \llbracket \llbracket E \vdash B \{X \leftarrow A\} \text{ type} \rrbracket e \rrbracket$ . (Note that, by the usual substitution techniques, one has $\llbracket E \vdash B \{X \leftarrow A\} \text{ type} \rrbracket e = \llbracket E, X::K \vdash B \text{ type} \rrbracket \langle e, A \rangle$ , where we keep identifying the semantic and the syntactic type $A$ by an abuse of language.)
46 12	<i>erase</i>	<i>abbrev</i>
47 -3	for important suggestions.	for important suggestions, and Narciso Marti-Oliet for careful technical proofreading.