Abstract Families of Abstract Categorial Languages

Errata

June 26, 2008

1. On page 68, in the definition of $\lambda \rightarrow_{\Sigma}$, the third clause must have the proviso that $x$ not be declared in $\Gamma - \{x : \alpha\}$.

2. On page 68, the first clause (i) of the definition of “linear” should read:

   (i) for any subterm $\lambda x. N$ of $M$, $x \in \text{FV}(N)$;

3. In Example 2.1 on pages 70–71, $L(a), L(b), L(c)$ should be defined as follows:

   $L(a) = \lambda u w. a(u(\lambda z. z)w)$,
   $L(b) = \lambda u w. b(u(\lambda z. z)w)$,
   $L(c) = \lambda u w. c(u(\lambda z. z)w)$.

4. On page 73, the definition of $L^{-1}(L)$ should read

   \[ \{ M \in \Lambda_{\text{lin}}(\Sigma) \mid L(M) \in L \} \]

5. In the second paragraph of Section 5 on page 77, the correct definition of $L^{n+1,c}$ is

   $L^{n+1,c} = L^{n,c} \cup L \cdot c L^{n,c}$. 