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Addenda & Errata

(additions in blue; corrections in red; notes in green)

- p. 10, l. 3: ... precisely at the same **time** that ...
- p. 35, **Prop. 2.5.1.** ϕ is a propositional variable **or has the form** $P(t_1, \dots, t_n)$.
- p. 42, **Example 2.19.** **We could have formalized** (a) and (b) as $C(\text{fritz})$ and $L(\text{fritz}, \text{fish}) \wedge \neg L(\text{fritz}, \text{pasta})$, **but in the absence of quantifiers and individual variables** these can be treated as propositional formulas, though there are relation symbols involved. (The same remark holds for **Example 2.22.**) This practice, albeit arguable, is not only sanctionable but also pedagogical in this book, in which Herbrand semantics is ubiquitous.
- p. 60, l. 5 of main text: Fig. 3.5.1 (Figure 3.4.1 instead of 3.5.1 is a recurrent typo)
- p. 85, **Def. 3.14.**, l. 1: ... the set $\{0, 1, \dots, n-1\}$
- p. 89, **Def. 3.26**, l. 1: ... an interpretation for **L1**
- p. 104, **Def. 4.9.** ... $\psi \in Cn(X)$ **or** $X \Vdash \psi$.
- p. 105, **Def. 4.9.1.** a consequence operation Cn (a consequence relation \Vdash) on $F_{\perp} \dots$
- p. 134, **Exercise 4.2.** ... by all $X, Y \subseteq F_{\perp}$, ...
- p. 213, **Footnote 10:** Cf. Exercise 7.3 ...
- p. 225, l. 25: ... in Definition 4.56, ...
- p. 275, **Example 12.47.** Figure 12.2.2 shows a “proof” in \mathcal{LK} of the FOL **invalidity** $(\forall x(A(x) \rightarrow B) \rightarrow (\exists x(A(x) \rightarrow B))$. (Note how the two branches do not terminate with **Ax.**)
- p. 278, **Exercise 12.1.6.** (Step) 3. $\neg(P \vee Q)$

Last updated: April 2020