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Many-valued logics: A mathematical and computational introduction.

London: College Publications.

1st ed.: 31.07.2017

ISBN 978-1-84890-250-3

Addenda & Errata

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

p. 12, **Def. 2.1.6.** ... substituting p_1, \dots, p_n by some **variables** $\sigma p_1, \dots, \sigma p_n$. (The objective is to introduce the *general notation* $p/\sigma p$ for substitutions.)

p. 16, **Def. 2.2.11.** ... (e)valuation function $val_{\mathcal{I}} : F, \Sigma \rightarrow W$...

p. 19, **Def. 2.4.6.** ... \neg is applied only to **atoms** ...

p. 20, **Prop. 2.4.9.5.** If x appears as a free variable in B , ...

p. 24, l. 6: ... of a formula A with its...

p. 41, **Def. 3.1.7.** ... a relation $\Vdash \subseteq 2^F \times F$ satisfying ...

p. 48, **Def. 3.2.11.** ~~We say that ϕ is invalid or contingent~~ iff it is...

p. 63, **Prop. 3.5.3.** ~~(T8) $((A \rightarrow B) \wedge (B \rightarrow C)) \rightarrow (A \rightarrow C)$~~

p. 128, **Exercise 4.14.** Prove that the set C is **unsatisfiable**...

p. 156, **Prop. 5.5.18.** ... **not** uniform, and...

p. 177, **5.7.4.** ... condition **QD**, ...

p. 180, Remark to **Example 5.7.7.**, l. 2. ... replacing x with some Skolem **constant**,

...

p. 237 (last line) $L = (\mathcal{L}, \mathfrak{M}_{\mathcal{L}}, \mathcal{S}_L)$

p. 238, **Def. 7.4.17.** Given some n -valued logic $L = (\mathcal{L}, \mathfrak{M}_{\mathcal{L}}, \mathcal{S}_L)$...

p. 249, **Def. 7.5.4.** $Cn_{\mathbb{C}}(\phi) = \langle \{ \mathcal{M}_{\phi} \mid \mathcal{M} \in \mathfrak{C}, \models_{val_{\mathcal{M}}} \phi \} \rangle$

p. 263, **Prop. 8.2.6.3.** $(R4^*) \frac{S_1[P_1] \quad S_2[P_2] \vee C}{C\sigma}$

p. 272, **Def. 8.3.2.** ... (cf. 5.7.15):⁵ (corrects the location of the footnote indicator)

p. 274, **Def. 8.3.8.** $\frac{C_1 \quad C_2}{(C_1 - \{L_i\}) \cup (C_2 - \{M_j\})}$

p. 291, **Def. 9.2.3.** $R \subseteq A^n$, i.e. R is a subset of $\underbrace{A \times \dots \times A}_n$. (That is, remove the subscripts in $A_1 \times \dots \times A_n$.)

p. 293, **Def. 9.2.6.8.** $glb(B) = x$ or $inf(B) = x$

p. 293, **Def. 9.2.8.3.** The **filter** generated by an element x in a poset \mathcal{R} is the upset $\uparrow \{x\} = \{y \in \mathcal{R} \mid y \geq x\}$.

p. 298, **Prop. 9.4.2.** $glb(x, y) := x \cap y$

p. 302, **Def. 9.4.11.1.a.** $x \cup y \in A$

p. 302, **Def. 9.4.11.2.a.** $x \cap y \in B$

Last updated: January 2019