

**Corrections to *Introduction to Gödel's Theorems*, 2nd edition (CUP, 2013)**

Only the typos in the argument at the top of p. 89 might cause real difficulties (and now I look at it again, that whole argument seems unhappily presented).

Page	Line	Is	Should be
64	(e)6, 8	$m = 0, m = 1$	$n = 0, n = 1$
76	para c.	similarly to case (ii).	similarly to case (b).
87	14 <sup>-</sup>	which is the provably equivalent	which is provably equivalent
89	1	$\forall w\varphi(w)$	$\forall w\psi(w)$
89	8	$\exists y\varphi(Sx, y)$	$\exists y\varphi(Sw, y)$
89	9	$\varphi(Sx, b)$	$\varphi(Sw, b)$
96	(c)3	for the theories soundness	for the theory's soundness
100	(b)9	when $\vec{x}$ is empty	when there are no variables $\vec{x}$
107	10	$d(n)$	$\delta(n)$
109	Proof for (C)2	whether any satisfy $Px$ .	whether $P$ holds of any.
109	Proof for (C)5	whether $Px$ holds.	whether $P$ holds of any.
116	18 <sup>-</sup> , 13 <sup>-</sup>	$k_i \leq m_i$	$k_i < m_i$
120	10	$\exists!y\varphi(\bar{m}, y)$	$\exists!y\psi(\bar{m}, y)$
123	Suppose (2)	$\neg\exists!y\varphi(a, y)$	$\neg\exists!u\varphi(a, u)$
132	5 <sup>-</sup>	equinumerous with the non-self-identical things	equinumerous with the class of non-self-identical things
138	§19.2, 1.16	in other words,	in fact,
145	2 <sup>-</sup>	a formal wffs	a formal wff
148	(b)4–5	is (i) is	(i) is
151	8	$\{n = \ulcorner (\ulcorner \star j \star \urcorner (\ulcorner \star k \star \urcorner \rightarrow \ulcorner \star j \star \urcorner)) \urcorner \urcorner \}$	$[Wff(j) \wedge Wff(k) \wedge \{n = \ulcorner (\ulcorner \star j \star \urcorner \rightarrow \ulcorner \star k \star \urcorner \rightarrow \ulcorner \star j \star \urcorner) \urcorner \urcorner \}]$
161	2	arithmetic $\Delta_0$	arithmetic $\mathbf{I}\Delta_0$
186	10 <sup>-</sup>	Gld	Gdl
187	(d)2	if when	if
188	4	there is also proof of $\neg R_T$ super g.n. $m$	there is also a proof of $\neg R_T$ with super g.n. $m$
199	After indented 2.	(2) and (3) immediately	(1) and (2) immediately

Page	Line	Is	Should be
201	Th. 28.1	If $T$ is nice theory	If $T$ is a nice theory
202	Th. 28.2	If $T$ is nice theory	If $T$ is a nice theory
207	19 <sup>-</sup>	make so sense	make no sense
245	1	In the Chapter 31,	In Chapter 31,
253	2 <sup>-</sup>	$T \vdash \Box\gamma \rightarrow \Box(\Box\gamma \rightarrow \perp)$	$T \vdash \Box\gamma \rightarrow \Box(\Box\gamma \rightarrow \perp)$
255	1 <sup>-</sup>	Suppose $T \vdash \text{Con}$ .	Suppose $T \vdash \text{Con}_T$ .
257	Th. 34.5	then Löb's Theorem's holds	then Löb's Theorem holds
300	5 <sup>-</sup>	Predicatably	Predictably
306	5	$\dots (z = 2^p \cdot 3^w \wedge \text{Prf}_T(p, w))]$	$\dots (z = 2^p \cdot 3^w \wedge \text{Prf}_T(p, w))]$
307	1, 6, 7	$\text{enum}(\mu j[Rjn])$	$\text{enum}(\mu j[R(j, n)])$
324	5 <sup>-</sup>	the second block $\boxed{m}$	the second $\boxed{m}$ block
334	8	we'll prove a (version) of	we'll prove (a version of)
336	12	such that, for for all $n$	such that, for all $n$
363	17	implied	suggested
381	8 <sup>-</sup>	Pojęcie Prawdy w Językach Nauk Dedukcyjnych	Pojęcie Prawdy w Językach Nauk Dedukcyjnych
381	7 <sup>-</sup>	Tarski	Tarski

On p. 37 we do say will be relaxed about matters of bracketing so the suggested correction for p. 307 is perhaps a matter of taste.

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