Corrections for

Logical Foundations of Proof Complexity
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ASL Perspectives in Logic Series

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• page 2 paragraph 2 line 7: ‘prime’ should be ‘a prime power’

• page 68, third last line in the proof of Theorem III.4.4:
  $\exists \bar{y}$ should be $\exists \bar{z}$.

• page 69 line 2 of Exercise III.4.7:
y should not be an argument $B_f$.

• page 172, five lines above Exercise VII.2.10:
  $(m + 1)$ should be $(r + 1)$, and in the next line the first $m$ should be $r$.

• page 185 Lemma VII.4.10:
  For $i \geq 1$ there is a polynomial size $G^*_i$ derivation

• page 191 line -9: delete the first occurrence of $Y$.

• page 273 line 5: for some $L^2_A$ term $t = t(|X|)$ and

• page 273: formula (219) should be

$$\exists Y \leq \langle t, b \rangle \forall i < b (|Y^{|i}| \leq t(|X^{|i}|) \land \delta_F(X^{|i}, Y^{|i}|))$$

• page 274, line 3 of Subsection IX.2.2:
  $F^*$ instead of $F$

• page 274, replace the two sentences preceding (220) by:
  The following axiom for $F^*$ is strong enough to imply (219).

• page 274: Replace (220) by

$$(Y = F^*(b, X) \land i < b) \supset (|Y| \leq \langle t, b \rangle \land (|Y^{|i}| \leq t(|X^{|i}|) \land \delta^*_F(X^{|i}, Y^{|i}|)))$$

• page 404: Corollary X.2.24 (b):
  Replace ‘can be’ by ‘is contained in the theory’ ... (The reverse inclusion is unknown.)