

# Corrigendum of the Book

## Principles in Abstract Interpretation

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page 28, ch. 3: exercise 3.34:  $\rightarrow$  Represent elements of  $\mathbb{P}^\pm$  by subsets of  $\{<0, =0, >0\}$ .  
page 28, ch. 3: exercise 3.34:  $(a \sqsubseteq_\pm s \vee a \sqsubseteq_\pm s') \rightarrow (\{a\} \sqsubseteq_\pm s \vee \{a\} \sqsubseteq_\pm s')$   
page 72, ch. 6: in example 6.31:  $2 \rightarrow 1$   
page 106, ch. 10: exercise 10.2:  $y \rightarrow x'$   
page 131, ch. 11: Sol. 11.5:  $S \rightarrow \neg S$   
page 131, ch. 11: Sol. 11.5:  $S \rightarrow \neg S$   
page 134, ch. 11: Sol. 11.46:  $\gamma(\mathcal{C}) \rightarrow \gamma(\mathcal{A})$   
page 314, ch. 27: Least fixpoint after exercise 27.5:  $\boxtimes \rightarrow \#$   
page 328, ch. 28: top hierarchy of abstractions:  $\check{\subseteq}, \check{\boxtimes} \rightarrow \check{\subseteq}, \check{\boxtimes}$   
page 329, ch. 28: Figure (28.11):  $\rightarrow$  missing line between the congruence domain and its abstraction by the constancy domain  
page 409, ch. 34: a precision in definition 34.15: **such that**  $\rightarrow$  such that  $(x \sqsubseteq y \triangleq x \sqsubseteq y \wedge x \neq y)$