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Joachim Mueller-Theys* (mueller-theys@gmx.de). *The Unprovability of Unprovability.*

Unprovable consistency formulæ seem to be exceptional singularities. We found out that, given “sufficient strength”, “derivability conditions”, and consistency, *all* $\neg\iota(\ulcorner\sigma\urcorner)$ are *unprovable*. This follows from Löb’s Theorem in connection with our Universalisation Lemma: $\Sigma \not\vdash \neg\iota(\ulcorner\perp\urcorner) \Rightarrow \Sigma \not\vdash \neg\iota(\ulcorner\sigma\urcorner)$, and it makes certain issues more or less trivial: *total negative self-irrepresentability* and *unprovability of all consistency sentences* (particularly, when induced by disprovable sentences (Gödel’s 2nd Incompleteness Theorem)), whereby consistency sentences state in the standard model that Σ is consistent. The ASL-abstract provides the details. (Received September 26, 2017)