

- WILL STAFFORD, *Proof-theoretic validity for sequents*.

Kansas State University.

E-mail: willstafford@ksu.edu.

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Proof-theoretic validity offers a non-referential semantics for certain logics. Currently it has been developed for intuitionistic logic (e.g. [2]; [4]), certain intermediate logics (e.g. [3]; [5], and certain substructural logics (e.g. [1]). This has been done by using a natural deduction calculus. However, there are many logics that are more naturally represented in the sequent calculus, including, for the purposes of proof-theoretic validity, classical logic. This paper develops the beginnings of a notion of proof-theoretic validity for the sequent calculus and applies it to classical logic to show that in this setting the left rules for classical logic are valid given the right rules. We then address certain philosophical questions about this move including how we should interpret the sequent and whether this is a form of bilateralism.

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