

BROUWER AND HEYTING ON COUNTABLE SETS

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Brouwer [1918, 1925] introduces several *predicates of countability*. His notions are reviewed in Heyting [1929]. Defining, following G. Cantor, ‘countable’ as ‘embeddable into the set of natural numbers’ turns out to be intuitionistically too restrictive. Brouwer introduces some other possible intuitionistic notions of countability and Heyting orders them in a hierarchy. In this talk I survey Heyting’s classification of Brouwer’s notions of countable set and study dependencies between them.

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