

Systems of Countable and Uncountable Sets

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Definition 0.1. A system of countably infinite sets is a system of sets X such that every element of X is countably infinite.

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Definition 0.2. A system of countable sets is a system of sets X such that every element of X is countable.

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Definition 0.3. A system of uncountable sets is a system of sets X such that every element of X is uncountable.