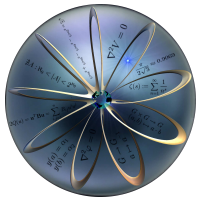

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Choquet's capacitability theorem

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Choquet's capacitability theorem states that http://planetmath.org/AnalyticSet2analytic sets are capacitable.

Theorem (Choquet)**.** *Let $\mathcal{F}$ be a paving that is closed under finite unions and finite intersections. If I is an $\mathcal{F}$-capacity, then all $\mathcal{F}$-analytic sets are $(\mathcal{F}, I)$-capacitable.*

A useful consequence of this result for applicatons to measure theory is the http://planetmath.org/MeasurabilityOfAnalyticSetsuniversal measurability of analytic sets.