

## MINIMAL INTEGRAL REPRESENTATIONS OF STABLE PROCESSES

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*Abstract:* Minimal integral representations are defined for general stochastic processes and completely characterized for stable processes (symmetric and asymmetric). In the stable case, minimal representations are described by rigid subsets of the  $L^p$ -spaces which are investigated here in detail. Exploiting this relationship, various tests for the minimality of representations of stable processes are obtained and used to verify this property for many representations of processes of interest.

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