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Free Completely Random Measures

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In this paper a free analogous of completely random measure is introduced. Furthermore, a representation theorem is proved for free completely random measures that are free infinitely divisible.

Comments: 13 pages. Please ignore previous versions! The paper has been deeply revised and during the revisions some errors have been corrected

Subjects: **Probability (math.PR)**

MSC classes: 60G57, 60E07, 46L54

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