

Ankündigung eines Gastvortrages von Herrn

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zum Thema

*„Boundary integral representation of
 λ -polyharmonic functions on trees“*

Abstract: Let T be a countable tree without leaves and P the transition matrix of a nearest neighbour random walk on T . P acts on complex valued functions on T by $Pf(x) = \sum_y p(x, y)f(y)$. For complex λ , a λ -harmonic function is one for which $Pf = \lambda f$, and a λ -polyharmonic function of order n is one for which $(\lambda I - P)^n f = 0$, where I is the identity operator. It is explained how for “admissible” values of λ in the resolvent set one can derive a boundary integral representation of any λ -polyharmonic function with respect to a uniquely collection of distributions on the boundary of the tree.

Termin:

Freitag, der 01.12.2017 um 11.15 Uhr
in Raum F448 (Gebäude 1101)

Alle Interessenten sind herzlich eingeladen.