

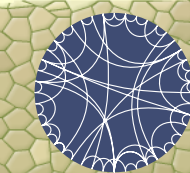


Random Geometry in Heidelberg

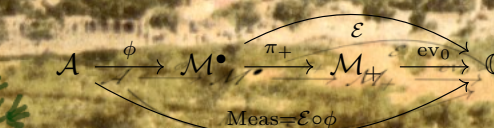
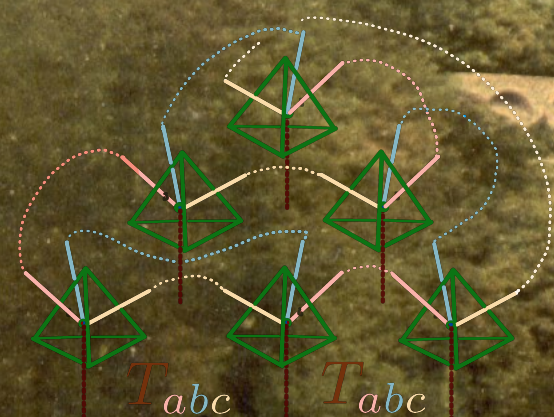
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UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386



STRUCTURES
CLUSTER OF
EXCELLENCE



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$$(1+a+b)G_\lambda(a,b) = 1 + \lambda \int_0^\infty \left(\frac{G_\lambda(p,b) - G_\lambda(a,b)}{p-a} + \frac{G_\lambda(a,b)}{1+p} \right) dp + \lambda \int_0^\infty \left(\frac{G_\lambda(a,q) - G_\lambda(a,b)}{q-b} + \frac{G_\lambda(a,b)}{1+q} \right) dq - \lambda^2 \int_0^\infty \int_0^\infty \frac{G_\lambda(a,b)G_\lambda(p,q) - G_\lambda(a,q)G_\lambda(p,b)}{(p-a)(q-b)} dp dq$$

$$Z(\lambda) = \int \exp(-e + \lambda \sum_i \square_i)$$

$$F(\square_i)$$

$$\phi(\lambda) = 1 + \sum_{n=1}^{\infty} \frac{\lambda^n}{n!} \int \phi^n(p) dp$$

