

## Some recent publications

September 15, 2005

- 1 Discrete approximations to integrals over unparametrized paths. Journ. Math. Physics **42**, 3769, (2001).  
(With T. Jónsson.)
- 2) Random paths and surfaces with rigidity. In “Fluctuating Paths and Fields”, dedicated to Prof. Hagen Kleinert, eds. W. Janke, A. Pelster, H.-J. Schmidt and M. Bachmann. World Scientific, Singapore, (2001).
- 3) Noncommutative solitons: Existence and non-existence. Phys. Lett.**B500**, 320, (2001).  
(With T. Jónsson and R. Nest.)
- 4) A string bit Hamiltonian approach to two-dimensional quantum gravity. Nucl. Phys.**B623**, 201, (2002).  
(With C.-W. H. Lee.)
- 5) Two-dimensional quantum gravity as string bit hamiltonian models. Proceedings of the MRST 2002 Conference.  
(With C.-W. H. Lee.)
- 6) A note on noncommutative scalar multisolitons. hep-th/0204096, Phys. Lett.**B539**, 277-280, (2002).  
(With T. Jónsson.)
- 7) The existence and stability of noncommutative scalar solitons. hep-th/0107121, Comm. Math. Phys.**233**, 49-78, (2003)  
(With T. Jónsson and R. Nest.)
- 8) “Probabilistic aspects of infinite trees and surfaces”. Proceedings of Workshop on Random Geometry, Krakow 2003. In Acta Phys. Polonica**B34**, 4649 (2003).

- 9) Local limit of labelled trees and expected volume growth in a random quadrangulation. Preprint 2004. To appear in Annals of Probability.  
(With Ph. Chassaing.)
- 10) Non-commutative waves have infinite propagation speed Journ. High Energy Phys.**10**, 50-62, (2004).  
(With T. Jónsson.)
- 11) On the entropy of LEGO, Preprint 2005.  
(With S. Eilers.)