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# Ergodic properties of STIT tessellations

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## Abstract

We give the construction of STIT tessellation process and supply its main ergodic properties in time and space: the renormalized STIT process is Bernoulli process and its discrete past process is standard in the Vershik sense. In space the STIT tessellation process has a trivial tail  $\sigma$ -field and we give a bound for its  $\beta$ -coefficient. These works are in collaboration with Werner Nagel (Jena, Germany).

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