A nested loop approach to percolation on random triangulations

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We study site and bond percolation on random (finite, planar) triangulations. We determine the (unique) critical probability p_c, for which the interfaces between clusters are ``long'' in a Boltzmann setting. We then study the change of behavior of several geometric quantities depending on the situations $p<p_c$, $p=p_c$ and $p>p_c$. This is joint work with Nicolas Curien and Gregory Miermont