

Coloring the Triangular Lattice

Jonathan Joe, Matt Noble*, Middle Georgia State University

Let T_n denote the triangular lattice with n rows. Define a *proper coloring* to be an assignment of colors to the points of T_n such that no three points constituting the vertices of an equilateral triangle all receive the same color. Denote by $f(n)$ the smallest possible number of colors that can be used in a proper coloring of T_n . In this talk, we'll ruminiate on the problem of determining $f(n)$ and coalesce a number of questions concerning the function's asymptotic behavior. Shoot, we might even answer some of them!

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