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*Further progress towards Hadwiger's conjecture*

In 1943, Hadwiger conjectured that every graph with no  $K_t$  minor is  $(t - 1)$ -colorable for every  $t \geq 1$ . In the 1980s, Kostochka and Thomason independently proved that every graph with no  $K_t$  minor has average degree  $O(t\sqrt{\log t})$  and hence is  $O(t\sqrt{\log t})$ -colorable. Recently, Norin, Song and I showed that every graph with no  $K_t$  minor is  $O(t(\log t)^\beta)$ -colorable for every  $\beta > 1/4$ , making the first improvement on the order of magnitude of the  $O(t\sqrt{\log t})$  bound. Here we show that every graph with no  $K_t$  minor is  $O(t(\log t)^\beta)$ -colorable for every  $\beta > 0$ ; more specifically, they are  $O(t(\log \log t)^6)$ -colorable.