1004-05-224   **Xingxing Yu*** (`yu@math.gatech.edu`), School of Mathematics Georgia Institute of, Technology, Atlanta, GA 30332, and **Florian Zickfeld**. *On Hajos' coloring conjecture.* Preliminary report.

One of the remaining two cases of Hajos' coloring conjecture states that every graph containing no subdivision of K_5 is 4-colorable. We combine structural and coloring arguments to reduce this case to 4-connected graphs. (If it can be reduced to 5-connected graphs, then it would be a consequence of a conjecture of Seymour.) (Received January 25, 2005)

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