Stabilty of corner boundary layers JIM DENIER, NATHANIEL JEW-
ELL, The University of Adelaide — We reconsider the problem of the stability of
the flow in an internal corner, focusing attention on determining both the most un-
stable mode and the critical Reynolds number for instability. Our results predict
that the zeroth, the so called, inviscid mode becomes unstable first with a critical
Reynolds number of 43,500. Comparison with previous work on this problem will
also be provided.

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