## A STABILITY RESULT ON MUCKENHOUPT'S WEIGHTS

## JUHA KINNUNEN

Abstract	
110501400	We prove that Muckenhoupt's $A_1$ -weights satisfy a reverse Hölder inequality with an explicit and asymptotically sharp estimate for the exponent. As a by-product we get a new characterization of $A_1$ -weights.

 $\label{eq:Keywords.} Keywords. \mbox{ Muckenhoupt weight, reverse H\"{o}lder inequality.} \\ 1991 \mbox{ Mathematics subject classifications: 42B26.}$