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Oxford, OH 45056. *Fragments of Martin's Maximum in the  $\mathbb{P}_{\max}$  extension.*

Woodin has shown that Martin's Maximum for partial orders of size continuum holds in the  $\mathbb{P}_{\max}$  extension of a model of  $\text{AD}_{\mathbb{R}} + \text{"}\Theta \text{ is regular.}"$  We discuss the fragment of this forcing axiom which holds in the same extension under the weaker hypothesis of  $\text{AD}^+ + \text{"}\Theta \text{ is regular}" + \text{"There exists a normal fine measure on } \mathcal{P}_{\omega_1}(\mathbb{R})."$  (Received August 16, 2010)