

# 1 | THE EXTERNAL CORE MODEL INDUCTION

In this section we will prove the following unpublished theorem by Woodin.

**Theorem 1.0.1** (Woodin). *Assume  $ZF + AD_{\mathbb{R}} + \Theta$  is regular. Then there is a generic extension of  $V$  satisfying  $DI^+$ .*

Have a look at Trevor's thesis; he's doing something similar.

Assume thus that  $ZF + AD_{\mathbb{R}} + \Theta$  is regular.

Missing proof.