Errors on transit computation versus order of limb-darkening for r=0.1 $10^{-6}$ Fractional error relative to maximum transit depth  $10^{-7}$ 10-8  $10^{-9}$  $10^{-10}$  $10^{-11}$  $10^{-12}$ 10<sup>-13</sup> 15 10 20 25 30 Order of limb-darkening