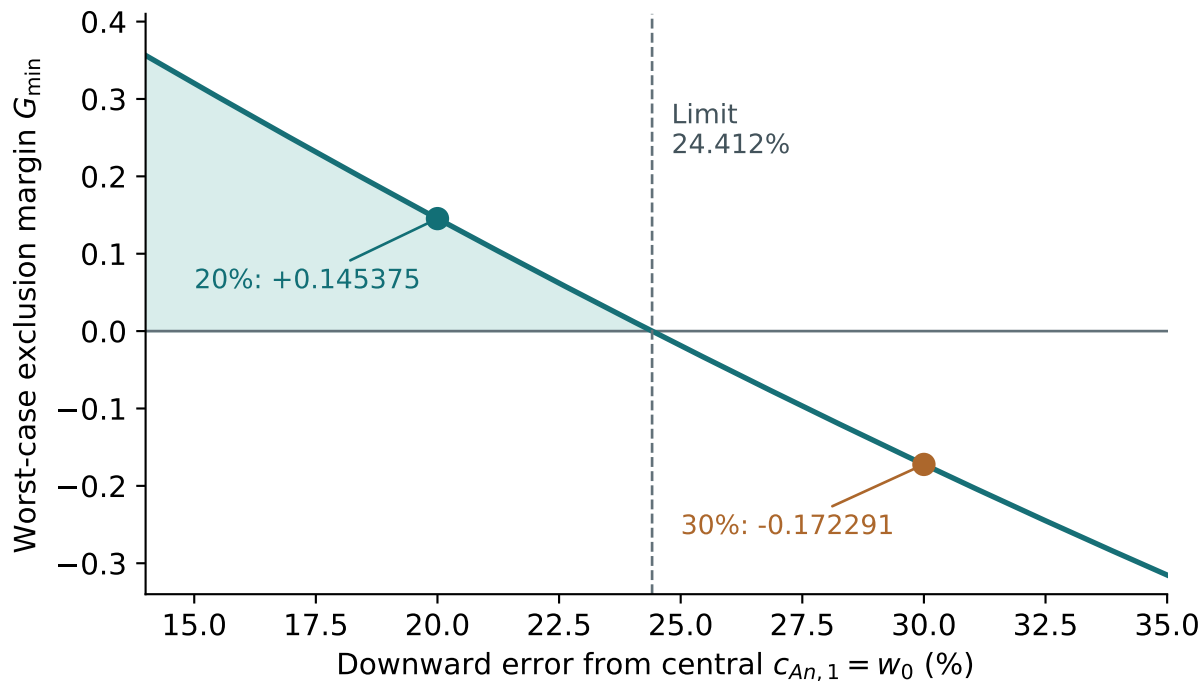


R102 | $\pm 20\%$ preserves fast exclusion; the criterion limit is about $\pm 24.4\%$

Central estimate $c_{An,1} = w_0$. Hard error bounds, not 1σ statistical uncertainties.



The percentages refer to NORMAL Alfvén speed about the stated centre. They are not total-field errors.

For symmetric bounds, the half-width must be strictly below 24.412%. Equality is not excluded by this criterion.

Synthetic model limits. No conversion to a sigma level is made. Excluding fast does not identify slow uniquely.

Same wider input range B

Compression: $r_0 \pm 0.05$

Normal acoustic Mach: $\pm 10\%$

$\pm 20\%$: passes with margin

Fast excluded throughout the set.

Saved slow reference remains allowed.

-30% / $+20\%$: not certified

Saved fast example removed.

Whole-set fast exclusion is not proved.