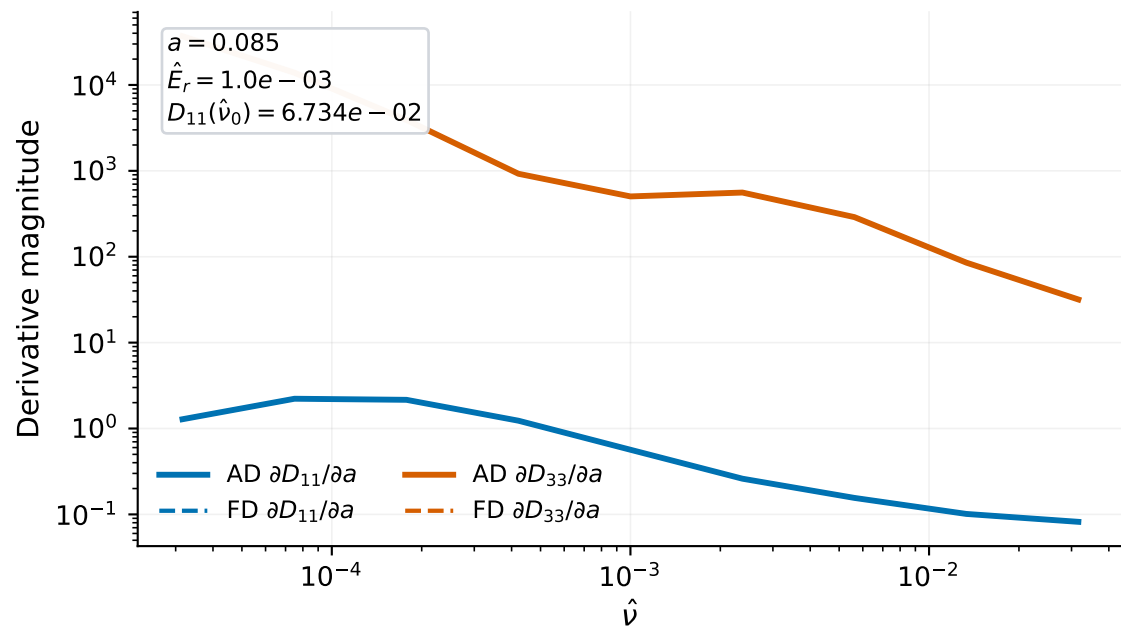


Direct JAX sensitivities agree with centered finite differences on the NTX dense solve

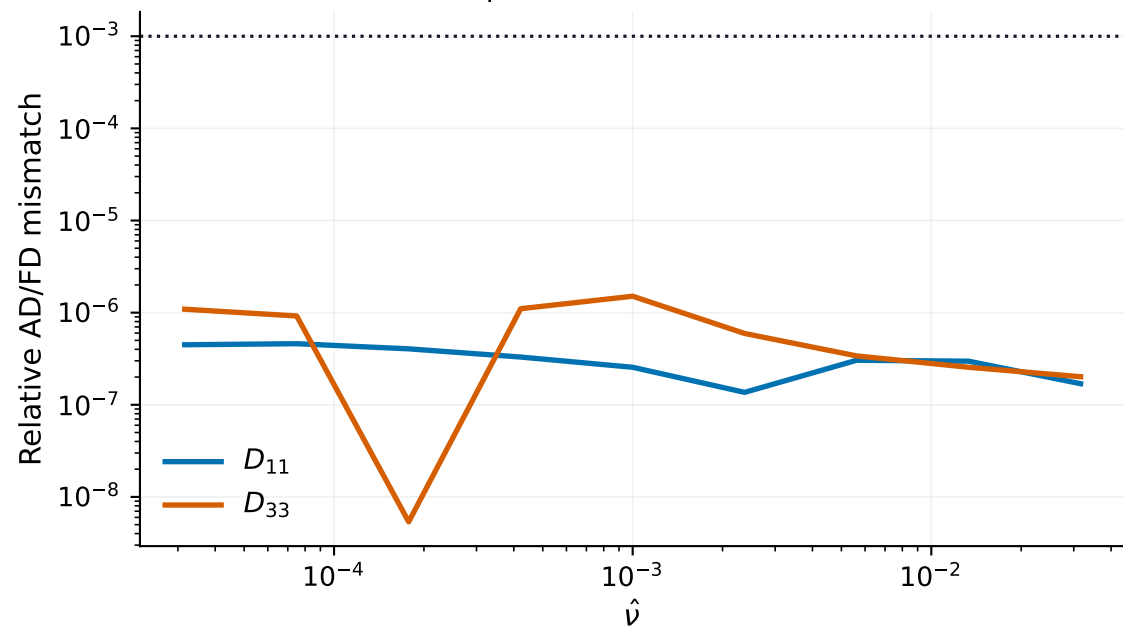
(a)

Harmonic-amplitude sensitivity at fixed $\hat{E}_r$



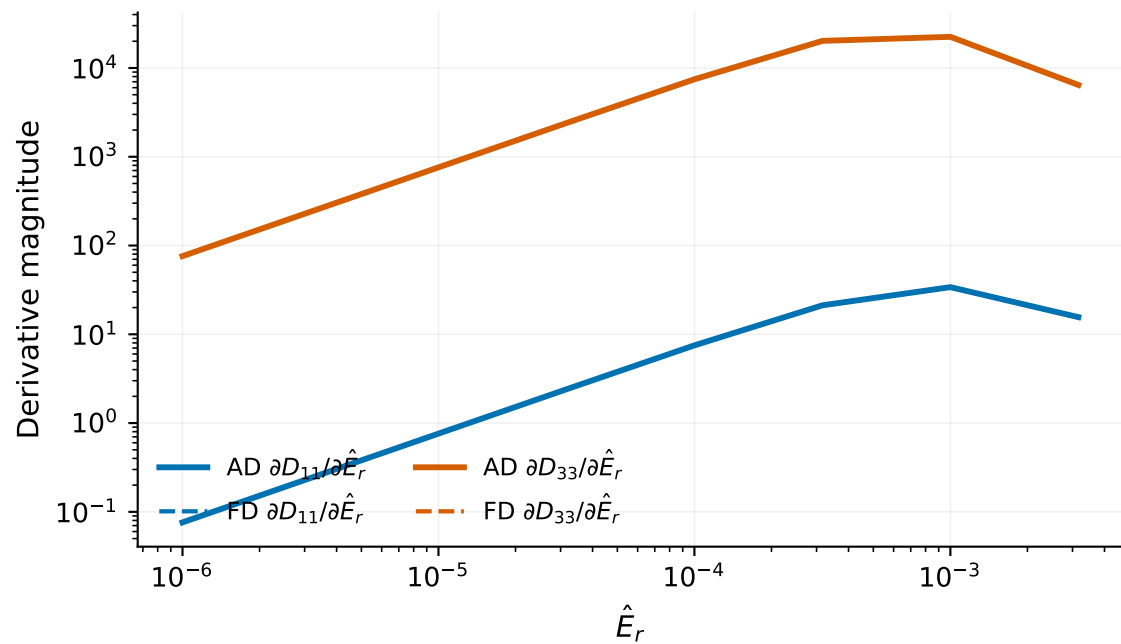
(b)

Amplitude derivative audit



(c)

Electric-field sensitivity at fixed $\hat{v}$



(d)

Electric-field derivative audit

