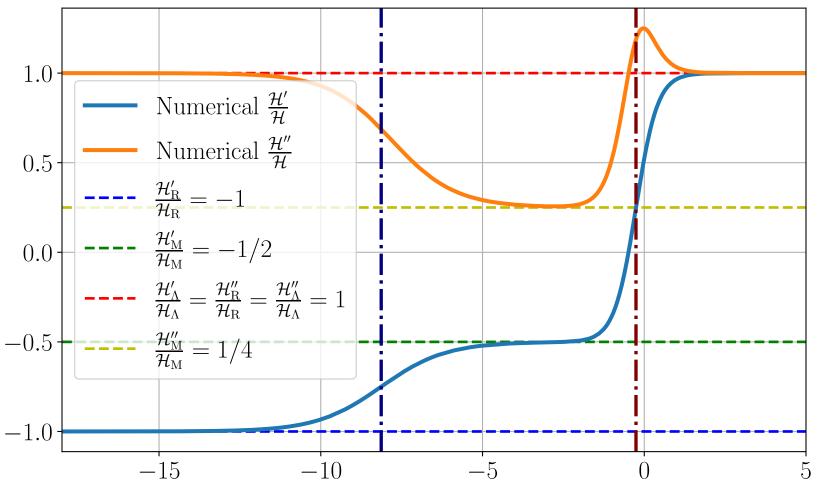
Evolution of  $\frac{\mathcal{H}'}{\mathcal{H}}$  and  $\frac{\mathcal{H}''}{\mathcal{H}}$ 



 $\boldsymbol{x}$