

$s=-2, a=0.1, \ell=2.0, m=2.0, n=2.0$

× CFM:  $A_{\ell m} = 3.822187 + 0.258900j$

Re[ $A_{\ell m}$ ]

4

3

2

1

PINN:  $A_{\ell m} = 3.820866 + 0.263747j$  (-0.035%, 0.385%)  
runtime 48.0 minutes

0.0

0.2

0.4

0.6

0.8

1.0

Im[ $A_{\ell m}$ ]

