100

50

150

200

—  $J_{LIT} = 0.5$ 

 $Re\{L_i(\sigma_r)\}$ 

 $1.5 \times 10^{-7}$ 

 $1.\times10^{-7}$ 

 $5. \times 10^{-8}$ 

0

6.×10<sup>-138</sup>

5.×10<sup>-138</sup>

4.×10<sup>-138</sup>

 $3.\times10^{-138}$ 

 $2. \times 10^{-138}$ 

1.×10<sup>-138</sup>

Out[• ]=

Re(Det[ $\hat{H}_{mn}$ -( $E_0$ + $\sigma_r$ +i $\sigma_i$ ) $\hat{N}_{mn}$ ])

50

100

100

100

J=0.5

50

50

J=0,.5

 $\text{Re}(\text{EV}_{\text{min}}[\hat{\mathcal{H}}_{\text{mn}} - (E_0 + \sigma_r + \mathrm{i}\sigma_i)\hat{\mathcal{N}}_{\text{mn}}])$ 0.2

-0.2

-0.4

-0.6

-0.8

150

150

150

200

200

200