

Function to be plotted:

$$E = A_- \left[-2\sqrt{rt(2I-r)(2S-t)} + \frac{I-1}{2S}t + \frac{S-1}{2I}r + \frac{rt}{4IS} \right]. \quad (1)$$

Variables: r and t

angular momenta: I and S

what do we need:

The minima points (r,t) of the function E/A_- for several pairs (I,S):

(I,S) = (I,1) with I=1,2,3,...,10

(I,S) = (1,S) with S=1,2,3,...,10

Contour plots of E/A_- for 4 pairs (I,S): (1,1), (1,10), (10,1), (8,8)

Good luck!