Interactions of molecules with and in fields
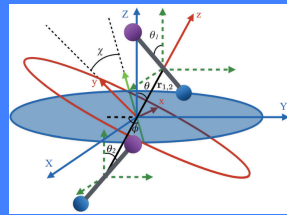
$$W = W(\theta) = -\frac{d\psi_0^{(1)}(\theta)/d\theta}{\psi_0^{(1)}(\theta)}$$

$H_1(\theta) = -d^2/d\theta^2 + V_1(\theta) = A^\dagger A + \varepsilon$

$H_2(\theta) = -d^2/d\theta^2 + V_2(\theta) = AA^\dagger + \varepsilon$
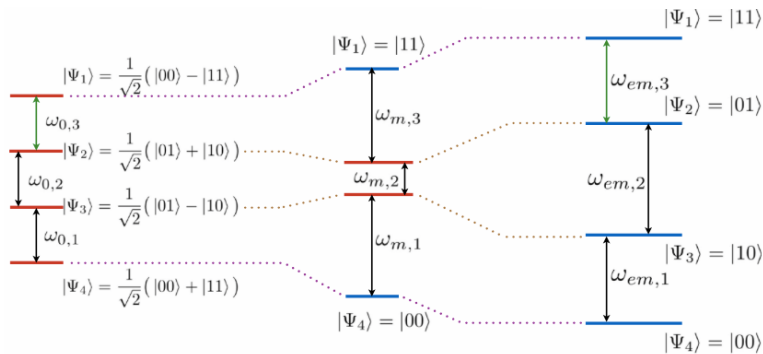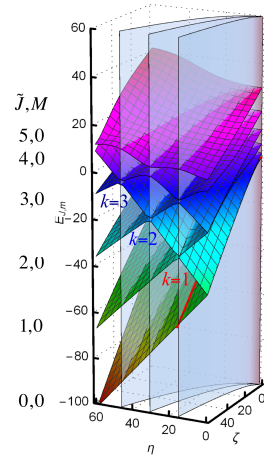
$A = +d/d\theta + W$

$A^\dagger = -d/d\theta + W$

Energy spectrum

$E_4^{(1)}$ $E_3^{(1)}$ $E_2^{(1)}$ $E_1^{(1)}$ $E_0^{(1)}$

$E_3^{(2)}$ $E_2^{(2)}$ $E_1^{(2)}$ $E_0^{(2)}$

$V_1(\theta) = W^2 - dW/d\theta + \varepsilon$

$V_2(\theta) = W^2 + dW/d\theta + \varepsilon$

$|\Psi_1\rangle = \frac{1}{\sqrt{2}}(|00\rangle - |11\rangle)$

$|\Psi_2\rangle = \frac{1}{\sqrt{2}}(|01\rangle + |10\rangle)$

$|\Psi_3\rangle = \frac{1}{\sqrt{2}}(|01\rangle - |10\rangle)$

$|\Psi_4\rangle = \frac{1}{\sqrt{2}}(|00\rangle + |11\rangle)$

$\omega_{0,3}$ $\omega_{0,2}$ $\omega_{0,1}$

$|\Psi_1\rangle = |11\rangle$ $\omega_{m,3}$ $\omega_{m,2}$ $\omega_{m,1}$ $|\Psi_4\rangle = |00\rangle$

$|\Psi_1\rangle = |11\rangle$ $\omega_{em,3}$ $|\Psi_2\rangle = |01\rangle$ $\omega_{em,2}$ $|\Psi_3\rangle = |10\rangle$ $\omega_{em,1}$ $|\Psi_4\rangle = |00\rangle$

History of Science

Please join us at the

Symposium for Bretislav Friedrich

to celebrate Bretislav's 65th birthday – with science, music, and some good fare. The symposium will be held on Friday, April 12, 2019 in Harnack-Haus, Ihnestrasse 16-20, 14195 Berlin, and unfold as follows:

13:00 Welcome Coffee; Musikalischer Auftakt

13:30 Dudley R. Herschbach (Harvard University)

14:15 John M. Doyle (Harvard University)

15:00 Henrik Stapelfeldt (University of Aarhus)

15:45 Coffee Break

16:15 Mikhail Lemeshko (Institute of Science and Technology Austria)

17:00 Mary Jo Nye (Oregon State University)

18:00 Musikalischer Ausklang; Champaign Reception

19:00 Dinner with music and reminiscences

For more information, please see https://indico.fhi-berlin.mpg.de/event/36/.

I hope you will be able to attend and look forward to seeing you at the symposium,

Gerard Meijer