







- taken of the survey from Cir. alt) valv) e i tat + b(t) vb(x) = iEbth = a(t) N valv) = iEath grow orthogonality Jua Vadet = Sab in some state over stace. alt). De sualt e leath y u siebth blt). Naaz-le Juat v. Va de lodd party Jua Jua Vuat all = Vab + (+) e (Ea-Fb) + (+ (+/4) Litte Vab alte (Es-ta) the Har Tella & Usat - Das)

that rix element of dipole moment Das/exp Value. D=-e [a*(+) Ua(x) e tata + b*(+) Ub(x) e titeth +> [alf valx) = leath + blt1 Uplake ishth] at. (1,1) _ D O [odd parity]. (1x2) (2,2) _ D O [odd tavity]. (2x1) = -ellatb (vat rubi) ella-Eb)+la + Ba (Ustru) EILEA-ED)th] det. = Do cop (Wast +4). Wab= Ea-Eb = - Wba.)
Anti
A symmutale.

Rabi Dealhation freq: Dab = Dab Eof

à 2 b internu of lapolet- àct = -e = van aub et mari al tible) 2 Pab [No (eiwt, =iwt) eiwast] b(+)
2 Pab [No (eiwt, =iwt) eiwas) + (w-was) + (y)
3 Pab [No (eiwt, =iwt) eiwas) + (w-was) + (w ailt) = - Paret Ao [e i (w. was) the - i (w. was) the Jan Mar And Marin alt)= -i Dat [i(W+was)t -i(w-was)t] b(d). 1(t) = -i 1 b a [e | (w = wba) f a (t) .

= - - - - - - - - | (w - wab) f e | (w + wab) f a (t) .

2 (e - i (w - wab) f e | (w + wab) f a (t) . How all 8 b(t) related).

Complete to the second of the