a(n)= (C1 g(n)+C2 g(n)+5 g3(1)+ ... on Q7(1) = C36, (1) & C36, (1) $q(n) = e^{-\alpha} : n^2$ · Spin orbitale. Is Boses d'OA o Hamilbourier II = Te-(+Th) + Ver + Ver e condamée atomos: d, A, D Scale -1 goustennes (C) Contraction de $2g_{-}$ $C_{2}(x) = C_{1}g_{1}(x) + C_{2}g_{2}(x)$ (B)-, (F) do base (C1) $\overline{\alpha}(1) = \alpha(n_1) * \beta(\omega_1)$ (d(w,)) | a(w,)=1 $\langle a(\omega_1) | \beta(\omega_1) \rangle = 0$ 10(1)= C1(1)+C1(6(1)) 6-311++6(2d), p) (z) & 36 52-16 -5 C-31 G

Déreminant de Sloter Chapt Konchson d'Iondo; déleminant 1) Vocabulaine Produit as Hower 4(1,2,3)= 11(1)×15(2) x 20(3) déleminant es Slaka sont anissyon. Fins ConfigNentione electronique: In 201 (K/2) = [a b] → mais c. "fermions" >D autisym. J.O. Ph (132) = 10(1) x 10(3) x 21(2) de State 101020

T(4,2) n 1 a(1) b(2) a(1) b(2) - b(1) a(2)Q (2) a (1) 6(2) (F) manalisa du deten

 $(27) = [ab] = \frac{1}{5} (asybes) - bessace)$ abled antisympour l'echenge 1-4(1,2) In developpe de déterminant (a(2) b(1) - b(2) a(1) - a(3) b(2) + b(1) a (2) a(1) b(2) - b(1) a(1) Q(7) b(2)

M X W 1 ropriéles $|\alpha\alpha|$)ab|11 1 aa bb[=-/abab Jaa 56/170 $\Psi(z,z) = \alpha(y) \bar{\alpha}(z) = \alpha(y) \alpha(y) \alpha(z) \alpha(z)$ 4(2,1)= a(2) a(1) + -4(4,2) | Da - Vandi (0x Husian) 4(1,2)

TEQ.2) = (1/6)7)= 4(2,2) - $\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \right) = \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) \right) \right) \left(\frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2} \left(\frac{1}{2} \right) \right)$ (201) (201) - benjacz) (3(4) (3(4)) 4 (1,2) whishm. (a(2) b(3) (2) 5(1) [22) - 5(1) [2]

3. 4=1aa(=1/a(1)a(2))-a(1)a(2)) $=\frac{1}{\sqrt{2}}\left(\frac{\alpha(3)\alpha(2)}{\alpha(3)}\right)\left(\frac{\alpha(3)}{\alpha(3)}\right)\left(\frac{\alpha($ $\frac{\sqrt{2}}{\sqrt{3}} \frac{(3)}{\sqrt{3}} \frac{$

4: 4(2/2) = [Awkisym] [Awkisym]

[Robert Spin]

I Replications; Mage

In developpe de determinant sur les orbitales atomiques ファイン (OT) = | 2(axb) 2(axb) = (2 + b) (2+b) (2+b) ワーは(ロナレ) = 12 aa + a6 : 5a + bb

= 2 ((aa(+66)) + 2 ((ab)+ba) = 2 (100 (+) ab (+ ba (+ bb))

the form as (2.2)

501, Larique ~ 0% %

an lieu de 220%.

(dissociation (Cod) So/covalent.

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