Motoralization of wave function: in a Live today a Ebaco is lead of fought of forther of fending his latter nothernotrous foreston as de les cois region de les cutins entre 1 th (e+4) = 1 - 0 space. Egn. @ con be rewretten as 1 +xen Acin as= 1 -B A wave function which catished his above for in . Even of as nomeon & bos more as of our Garabant A in was a volumentes mare brucken lappar Et & the contion of a more browdion to one (MA) & c solution where N is a constant quantity. The choice of the value of N should be such that the new wave function is a normalized worse function. For normalization of new were function, of must IN(4) (N4) drajaz=1 . where de=dxajaz. a lnb 1 hx dardage = 1 2 lm/3 = 1 +x dardages. enver INI is known or woll of solion const. on of N 4 20 known or wollmonison more function. condu of al Moderand is of his on the out the off if I high as = 1 and I high as = 1. It was now for those to and the one that the extragged] A; A; As a JA; A; Gs Navitres over, entire space i.e. J4,*4: 45=0 or J4; 4: 45=0 copet i +1 The this wave functions 4, and of one said to pe worrant aspedent.

Edfoundard and Eigenfunction. 2 ches guilder, edu was rose word zourtow and of Were come got emolinally our pare po silvi ti cauca. The controls have fluit come only by of their ration were the different of the energy valide a moderates to Boxin postulated. The different cheft levels mechanical concept. The solution of the wave off. Nête differire energy varies E fives the cost exposed values of ware function 4, known as eigen function only those eigen functions have physical significan white estick the following onto a was per subse reported on @ They should be shrite on timuous throughous the entite Example : 168 A pe a ciell person to et 11% Hate of the system and Let this so operated on by the appropriate of such that a source the equation AYOU = AYOU - O Then we say that I so an enjenvalue of the operator A and abelage obstant A & is on eight from of y The order of and the sider function to (M) of aberator & reland to each allier The above egn. O or termed a eightralue quation for the operator A.

& SI ON OP EGGNOPIE por so the obegator acrociates mil. The apseavable. d31 is the volume alement. Thus egn or or be revroter as: (8) = 1 4x (8.4) & A (8.4) 93x 1 Ax (8.4) A(8.4) d3 8 (D) It 4 is notomaliced. Then \[
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\ze pecame 1 hx (24) h(24) d30 = 1 The the expectation rallie of possition vector is (2) = 1 hx (24) + A(14) 438 Sportlody for money turn the expectation value or (P) = J 4x p4 d8 =] +x (= = +) dx And for energy. His expectation value in (E) = 10 44 (Et 3) 4 dr = st 1 4x 9h 92 ==

7.12. Observables and operators Position etc. That can be observed a measured SI conted optervopier. Each opternopie is also-Ciadra Maria a definite operator. intopuli may the appendence E (everly) of associated meric operator H comes hamiltonian An operator in a rule which changes on Je ver function into another fam dion. It the operator A sodisfier the condition or our $A(\alpha, \psi, + \alpha_2 \psi_2) = \alpha, A\psi, + \alpha_2 A\psi_2$, Wen 165 operator 1 20 said to be linear. In quantum sovermania observati ose lipioot

Operatori Acrosomed with different operation 210toded operators in Owne Three Dinger Cion Ding grice. E-00 60 H - Kg 2+1 Kinetic everal - 7x 45 - 73 55 Potential areas Work suf our # A + 6 + x6 ; relocity 1 3z Oap · x6 mi , x6 mi Position Lob 8 x, y, z.

7.13. EXPECTATION VALUE:

Any allusuical Granteth are bosition Co. 089: Water woments ' sue tall ware Runction. According to Boom the ware eto are defined from the probabilitie interpretation. So in Then it is essential to calculate the expectation of average value of the dynamical quantity. Expectation value is defined as the are sode of a secure of a losse wamper of weaen kulgerge on engabordant Elegans. Mathematically it can be written as

<2> = [D(2,4) 200 931 18 (24) A (24) 431