

Table 4. First and second derivatives of the various overlap and hole energies in cadmium with respect to the  $C_H$  shear parameter  $\xi$  and the  $C_{66}$  shear parameter  $\eta$ , evaluated at zero strain and  $(c/a) = 1.8855$ .

Type	number of spheroids	$x = \xi$	$x = \eta$
		$\left(\frac{dE_i}{dx}\right)$	
B	1	$(4/3)E_B$	0.0
P	4	$-0.3182E_P$	$-0.4129E_P$
P	2	$-0.3182E_P$	$0.8258E_P$
H	4	$-0.1888E_H$	$0.0663E_H$
H	2	$-0.1888E_H$	$-0.1326E_H$
		$\left(\frac{d^2E_i}{dx^2}\right)$	
B	1	$(4/9)E_B$	0.0
P	4	$0.9950E_P$	$1.2387E_P$
P	2	$0.9950E_P$	0.0
H	4	$1.2354E_H$	$1.3320E_H$
H	2	$1.2354E_H$	$1.0267E_H$