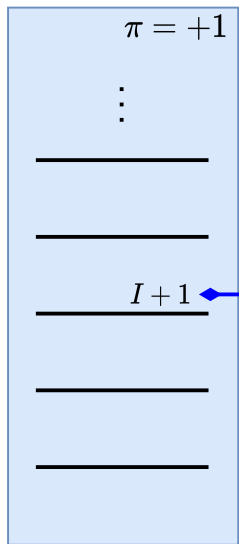
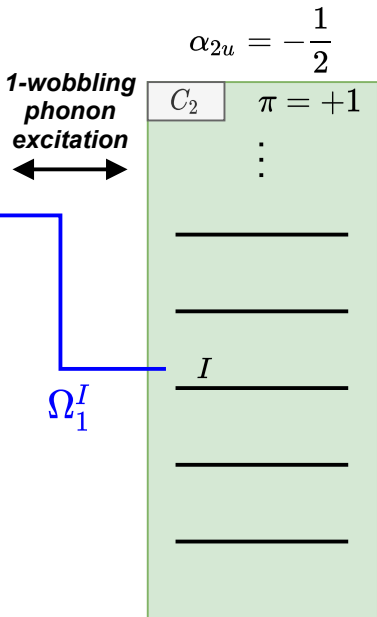


$$(n_{w_1}, n_{w_2}) : (0, 0)$$

R_2	
j_2	$\pi_{j_2} = -1$

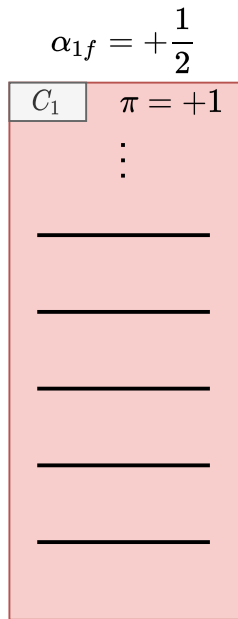


$$(n_{w_1}, n_{w_2}) : (1, 0)$$



$$(n_{w_1}, n_{w_2}) : (0, 0)$$

R_2	
j_1	$\pi_{j_1} = +1$



$$(n_{w_1}, n_{w_2}) : (0, 0)$$

R_1	
j_1	$\pi_{j_1} = +1$

**1-wobbling
phonon
excitation**



Ω_1^I

**Signature
Partner
Bands**

