Hierarchy configuration interaction (hCI)

Excitation degree e
Seniority number s
Hierarchy parameter $h = \frac{e+s/2}{2}$

e/s	0	2	4	6
0	HF			
1		hCI1		
2		hCI1.5	hCI2	
3			hCI2.5	hCI3
4				
5				
6				

Dissociation of F_2

RHF

hCI1

hCI2

hCI3

FCI

Energy

Distance