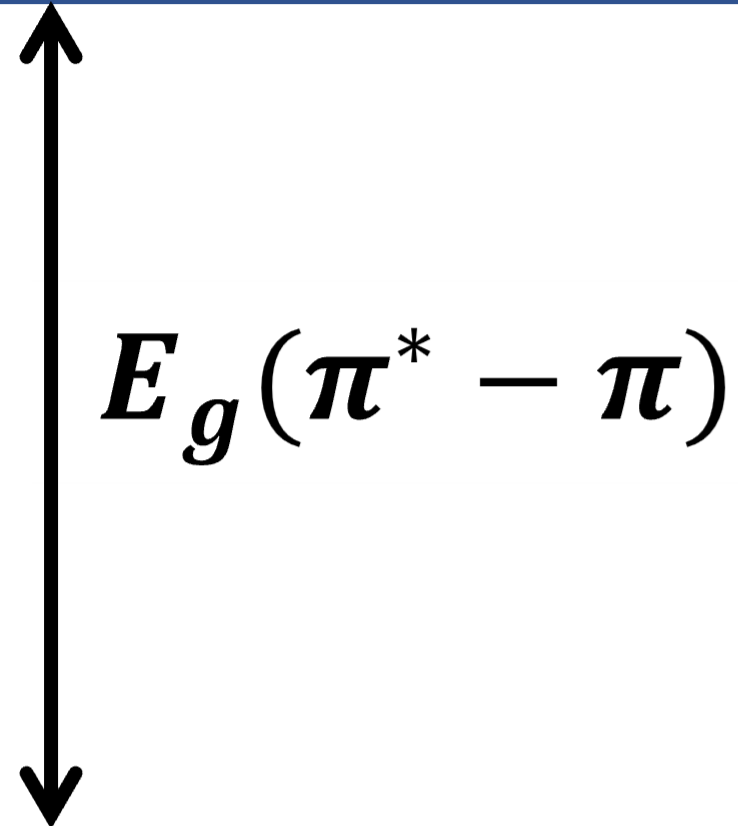


LUMO

LUMO

LUMO

LUMO



i^*

i^*

i^*

i

i

i

HOMO

HOMO

HOMO

HOMO

Neutral Polymer

Polaron
($S = 1/2$)

Bipolaron
($S = 0$)

Bipolaron
($S = 0$)

A)

B)

C)

D)