



Jmol

$$\sigma_u^* = \frac{1}{\sqrt{2(1-S)}}(\phi_{1s}^A - \phi_{1s}^B)$$

$$\frac{2\beta}{1+S}$$

$$\sigma_g = \frac{1}{\sqrt{2(1+S)}}(\phi_{1s}^A + \phi_{1s}^B)$$