



$$\sigma_{ki}^* = \frac{\sqrt{\sigma_1^{*2} + 3\tau^{*2}}}{\frac{1+\phi}{4} \frac{\sigma_1^*}{\sigma_{1ki}^*} + \sqrt{\frac{3-\phi}{4} \frac{\sigma_1^*}{\sigma_{1ki}^*} + \left(\frac{\tau^*}{\tau_{1ki}^*}\right)^2}}$$