

$$det\left(\underbrace{\left(\frac{1}{3}\right)^{2}-\lambda\left(\frac{1}{3}\right)}^{2}=0\right)$$

$$\Rightarrow -\lambda^{3}+\lambda^{2}\left(\sigma_{11}+\sigma_{22}+\sigma_{33}\right)-\lambda\left(\sigma_{22}\sigma_{33}+\sigma_{11}\sigma_{32}+\sigma_{11}\sigma_{32}\right)$$

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