| | (E,v) | (K,G) | |
|-------------|------------------------------------|--------------------|---|
| G = | $\frac{E}{2(1+v)}$ | | Shear modulus (also noted as μ, S-wave) |
| M = | $\frac{(1-\nu)E}{(1+\nu)(1-2\nu)}$ | $K + \frac{4}{3}G$ | Constrained modulus (uniaxial compaction, P-wave) |
| $\lambda =$ | $\frac{vE}{(1+v)(1-2v)}$ | | <u>Lamé first parameter</u> (volumetric strain component) |
| <i>K</i> = | $\frac{E}{3(1-2v)}$ | | Bulk modulus (relates volumetric strain and isotropic stress) |