Relationships Between the Elastic Moduli

	λ	$\mu,(G)$	E	ν	κ
λ,μ			$\frac{\mu(3\lambda+2\mu)}{\lambda+\mu}$	$\frac{\lambda}{2(\lambda+\mu)}$	$\frac{3\lambda+2\mu}{3}$
λ,E		$\frac{(E-3\lambda)}{4}+\frac{\sqrt{(E-3\lambda)^2+8\lambda E}}{4}$		$\frac{-(E+\lambda)}{4\lambda}+\frac{\sqrt{(E+\lambda)^2+8\lambda^2}}{4\lambda}$	$\frac{(3\lambda+E)}{6}+\frac{\sqrt{(3\lambda+E)^2-4\lambda E}}{6}$
λ,ν		$\frac{\lambda(1-2\nu)}{2\nu}$	$\frac{\lambda(1+\nu)(1-2\nu)}{\nu}$		$\frac{\lambda(1+\nu)}{3\nu}$
λ,κ		$\frac{3(\kappa-\lambda)}{2}$	$\frac{9\kappa(\kappa-\lambda)}{3\kappa-\lambda}$	$\frac{\lambda}{3\kappa-\lambda}$	
μ,E	$\frac{(2\mu-E)\mu}{E-3\mu}$			$\frac{E-2\mu}{2\mu}$	$\frac{\mu E}{3(3\mu-E)}$
μ,ν	$\frac{2\mu\nu}{(1-2\nu)}$		$2\mu(1+\nu)$		$\frac{2\mu(1+\nu)}{3(1-2\nu)}$
μ,κ	$\frac{3\kappa-2\mu}{3}$		$\frac{9\kappa\mu}{3\kappa+\mu}$	$\frac{3\kappa-2\mu}{2(3\kappa+\mu)}$	
E,ν	$\frac{\nu E}{(1+\nu)(1-2\nu)}$	$\frac{E}{2(1+\nu)}$			$\frac{E}{3(1-2\nu)}$
E,κ	$\frac{3\kappa(3\kappa-E)}{9\kappa-E}$	$\frac{3E\kappa}{9\kappa-E}$		$\frac{3\kappa-E}{6\kappa}$	