

ΣΧΕΣΕΙΣ ΜΕΤΑΞΥ ΤΩΝ ΕΛΑΣΤΙΚΩΝ ΣΤΑΘΕΡΩΝ

	λ	μ	E	ν	K
λ, μ			$\frac{\mu(3\lambda + 2\mu)}{\lambda + \mu}$	$\frac{\lambda}{2(\lambda + \mu)}$	$\frac{3\lambda + 2\mu}{3}$
λ, E		$\frac{A^* + (E - 3\lambda)}{4}$		$\frac{A^* - (E + \lambda)}{4\lambda}$	$\frac{A^* + (3\lambda + E)}{6}$
λ, ν		$\frac{\lambda(1 - 2\nu)}{2\nu}$	$\frac{\lambda(1 + \nu)(1 - 2\nu)}{\nu}$		$\frac{\lambda(1 + \nu)}{3\nu}$
λ, K		$\frac{3(K - \lambda)}{2}$	$\frac{9K(K - \lambda)}{3K - \lambda}$	$\frac{\lambda}{3K - \lambda}$	
μ, E	$\frac{\mu(2\mu - E)}{E - 3\mu}$			$\frac{E - 2\mu}{2\mu}$	$\frac{\mu E}{3(3\mu - E)}$
μ, ν	$\frac{2\mu\nu}{1 - 2\nu}$		$2\mu(1 + \nu)$		$\frac{2\mu(1 + \nu)}{3(1 - 2\nu)}$
μ, K	$\frac{3K - 2\mu}{3}$		$\frac{9K\mu}{3K + \mu}$	$\frac{3K - 2\mu}{2(3K + \mu)}$	
E, ν	$\frac{\nu E}{(1 + \nu)(1 - 2\nu)}$	$\frac{E}{2(1 + \nu)}$			$\frac{E}{3(1 - 2\nu)}$
K, E	$\frac{3K(3K - E)}{9K - E}$	$\frac{3EK}{9K - E}$		$\frac{3K - E}{6K}$	
ν, K	$\frac{3K\nu}{1 + \nu}$	$\frac{3K(1 - 2\nu)}{2(1 + \nu)}$	$3K(1 - 2\nu)$		

(*) $A = \sqrt{E^2 + 2\lambda E + 9\lambda^2}$