

```
>> S=[33.33 -10 -10 0 0 0
-10 33.33 -10 0 0 0
-10 -10 33.33 0 0 0
0 0 0 86.67 0 0
0 0 0 0 86.67 0
0 0 0 0 0 86.67]*1e-9
```

S =

1.0e-007 *

0.3333	-0.1000	-0.1000	0	0	0
-0.1000	0.3333	-0.1000	0	0	0
-0.1000	-0.1000	0.3333	0	0	0
0	0	0	0.8667	0	0
0	0	0	0	0.8667	0
0	0	0	0	0	0.8667

```
>> C=inv(S)
```

C =

1.0e+007 *

4.0392	1.7313	1.7313	0	0	0
1.7313	4.0392	1.7313	0	0	0
1.7313	1.7313	4.0392	0	0	0
0	0	0	1.1538	0	0
0	0	0	0	1.1538	0
0	0	0	0	0	1.1538

```
>> Strain=[5 -3 2 1 3 -2]*1e-4
```

Strain =

1.0e-003 *

0.5000	-0.3000	0.2000	0.1000	0.3000	-0.2000
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```
>> Stress=C*Strain'
```

Stress =

1.0e+004 *

1.8465
0.0002
1.1541
0.1154
0.3461
-0.2308