```
bekku@a223031012:~/bin$ ./correspondence_matrix
XXXXX=========XXXXXX
 Replication of results from Niewczas, Acta-
 Materialia, 2010 in DAMASK framework
XXXXX=========XXXXXX
 characteristic shear for different types
 of twinning for c/a 1.624(Mg).
[1, 0, -1, 1], (-1, 0, 1, 2)
0.129534081
[-1, -1, 2, 6], (1, 1, -2, 1)
0.615953207
[1, 0, -1, -2], (1, 0, -1, 1)
0.137181491
[1, 1, -2, -3], (1, 1, -2, 2)
 Correspondence matrices for different types
 of twinning for c/a 1.624(Mg).
[1, 0, -1, 1], (-1, 0, 1, 2)
-0.250000000 0.433012664 -0.811750114
0.433012784 -0.749999940 -0.468664020
-0.923929691 -0.533431172 7.35446122E-08
[-1, -1, 2, 6], (1, 1, -2, 1)
-0.499999970 0.866025507 7.76864013E-08
[1, 0, -1, -2], (1, 0, -1, 1)
0.125000089 0.649519026 0.811750174
0.649519145 -0.625000000 0.468664050
[1, 1, -2, -3], (1, 1, -2, 2)
-0.666666687 0.577350199 0.541166723
0.577350318
          9.88283801E-08 0.937328041
0.410635412 0.711241543 -0.3333333373
```