

The following statements estimate a VAR(1) model and use the **ROOTS** option to compute the characteristic polynomial roots:

```
proc varmax data=simul1;  
  model y1 y2 / p=1 noint print=(roots);  
run;
```

Figure 35.44 shows the output associated with the ROOTS option, which indicates that the series is stationary since the modulus of the eigenvalue is less than one.

Figure 35.44 Stationarity (ROOTS Option)

The VARMAX Procedure

Roots of AR Characteristic Polynomial					
Index	Real	Imaginary	Modulus	Radian	Degree
1	0.77238	0.35899	0.8517	0.4351	24.9284
2	0.77238	-0.35899	0.8517	-0.4351	-24.9284