**M*plus* Syntax for Coefficient Omega**

You can use the syntax below to specify an essentially tau-equivalent, tau-equivalent, or parallel model by including or omitting the appropriate sets of commands in the **MODEL** statement.

To obtain an **essentially tau-equivalent (true-score equivalent) model,** include the commands for equality of item loadings (the **by** commands). To omit the other commands, either precede them with an exclamation mark or remove the numbers in parentheses after the command.

To obtain a **tau-equivalent model**, include the commands for equality of item loading and for item means.

To obtain a **parallel model**, include all three sets of commands.

**TITLE:** test for parallelism goal orientation data;

**DATA:** file is goal2.dat;

format is free;

**VARIABLE:** names are i1 i2 i3 i4 i5 i6 i7 i8 i9 i10 i11 i12;

missing all (8,9,10);

**MODEL:**

*! The commands below set the loadings for items within a factor equal to each other.*

perfapp **by** i1\* i2 i3 (1);

peravoid **by** i4\* i5 i6 (2);

masavoid **by** i7\* i8 i9 (3);

masapp **by** i10\* i11 i12 (4);

*! The next set of commands set the means for items within a factor equal to each other.*

[i1 i2 i3] (5);

[i4 i5 i6] (6);

[i7 i8 i9] (7);

[i10 i11 i12] (8);

*! The next set of commands set the measurement error variances for items within a factor equal to each other;*

i1 i2 i3 (9);

i4 i5 i6 (10);

i7 i8 i9 (11);

i10 i11 i12 (12);

*! Because all of the loadings are estimated, the factor variances must be set to 1.0*

perfapp@1; peravoid@1; masavoid@1; masapp@1;

**OUTPUT: sampstat residual stand modindices;**