

# NAG Library Function Document

## nag\_tsa\_options\_init (g13bxc)

### 1 Purpose

nag\_tsa\_options\_init (g13bxc) initializes the structure **options**. This structure is used by some functions in Chapter g13. This function must be called before any direct assignments are made to members of the options structure.

### 2 Specification

```
#include <nag.h>
#include <nagg13.h>
void nag_tsa_options_init (Nag_G13_Opt *options)
```

### 3 Description

A number of optional parameters are applicable to several functions in Chapter g13. These arguments are set by means of a structure of type Nag\_G13\_Opt. This initialization function sets the members of the structure to null values indicating that the default values should be used for these arguments. If argument values other than the default values are required, they must be assigned to the appropriate members of the options structure in the calling program.

This assignment of optional parameters values to the options structure **must** be preceded by a call to nag\_tsa\_options\_init (g13bxc).

### 4 References

None.

### 5 Arguments

1: **options** – Nag\_G13\_Opt \* *Output*  
*On exit:* the initialized option structure.

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

Not applicable.

### 8 Parallelism and Performance

nag\_tsa\_options\_init (g13bxc) is not threaded in any implementation.

### 9 Further Comments

None.

**10 Example**

See `nag_tsa_multi_inp_model_estim` (g13bec) and `nag_tsa_multi_inp_model_forecast` (g13bjc) for examples of how `nag_tsa_options_init` (g13bxc) is used.

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