

# NAG Library Function Document

## nag\_tsa\_free (g13xzc)

### 1 Purpose

nag\_tsa\_free (g13xzc) frees the memory allocated by NAG functions to the options structure, type Nag\_G13\_Opt. This structure is used by some functions in Chapter g13.

### 2 Specification

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

### 3 Description

The structure of type Nag\_G13\_Opt is used by some functions in Chapter g13. This structure is allocated memory by these functions during use.

nag\_tsa\_free (g13xzc) is supplied to allow you to easily free the allocated memory and set the associated pointers to **NULL**.

Use of nag\_tsa\_free (g13xzc) is not essential but is recommended if the calling program does not terminate shortly after calling the g13 time series functions and memory conservation is important.

### 4 References

None.

### 5 Arguments

- 1: **options** – Nag\_G13\_Opt \* *Input/Output*  
*On entry:* the options structure, of type Nag\_G13\_Opt, used in a call to a NAG Time Series Analysis function.  
*On exit:* the pointers with NAG allocated memory will have been freed and set to **NULL**.

### 6 Error Indicators and Warnings

None.

### 7 Accuracy

Not applicable.

### 8 Parallelism and Performance

nag\_tsa\_free (g13xzc) 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_free` (g13xzc) is used.

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