

## 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 Further Comments

None.

#### 9 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.