

## 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: <b>options</b> – Nag_G13_Opt *	<i>Input/Output</i>
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*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

Not applicable.

## 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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