# nag_2d_scat_free (e01szc)

## 1.    Purpose

**nag_2d_scat_free (e01szc)** frees the memory allocated by NAG function nag_2d_scat_interpolant (e01sac) to the communication structure **comm** of type Nag_Scat_Struct.

## 2.    Specification

```
#include <nag.h>
#include <nage01.h>

void nag_2d_scat_free(Nag_Scat_Struct *comm)
```

## 3.    Description

This structure is used by some functions in Chapter e01 after it has been allocated memory by nag_2d_scat_interpolant (e01sac).

The function nag_2d_scat_free is supplied to allow the user to free the allocated memory easily and to set the associated pointers to NULL.

Use of nag_2d_scat_free is not essential but is recommended if further calls are to be made to nag_2d_scat_interpolant (e01sac) and memory conservation is important.

## 4.    Parameters

**comm**

Input: the communication structure that was used in the call to nag_2d_scat_interpolant (e01sac).
Output: pointers which pointed to NAG allocated memory will have been freed and set to NULL.

## 5.    Error Indications and Warnings

None.

## 6.    Further Comments

None.

## 7.    See Also

nag_2d_scat_interpolant (e01sac)

## 8.    Example

See nag_2d_scat_interpolant (e01sac) for an example of how nag_2d_scat_free is used.