Euredit utility function: read_rep

1   Purpose

read_rep reads an Euredit error report.

2   Specification

```
#include <euredit_sys.h>


void read_rep (char *report_name, long mode, long *nrecs, long *nerrors,
               long *irow, long *icol, long info[2])
```

3   Parameters

report_name
>   *Input:* the file name of the Euredit error report file.

mode
>   *Input:* if **mode** < 0 the report file is scanned and the values of **nrecs** and **nerrors** are returned.
>   If **mode** ≥ 0 the locations of the errors are read into **irow** and **icol**

nrecs
>   *Input:* If **mode** ≥ 0 the number of records with errors as returned by **rep_read** with **mode** < 0.
>   *Output:* **mode** < 0 the number of records with errors.
>   *Constraint:* if **mode** ≥ 0 then **nrecs** ≥ 1.

nerrors
>   *Input:* If **mode** ≥ 0 the number of errors in the data as returned by **rep_read** with **mode** < 0.
>   *Output:* **mode** < 0 the number of errors in the data.
>   *Constraint:* if **mode** ≥ 0 then **nerrors** ≥ 1.

irow[nrepl]
>   *Output:* the row indicators for the erros.

icol[nrepl]
>   *Output:* the column indicators for the errors.

info
>   *Output:* information on the success of the function call.
>   **info**[0] = 0: the function successfully completed its task.
>   **info**[0] = i: the specification of the ith formal parameter was incorrect, $i = 1, 2, \ldots, 7$.
>   **info**[0] = 99: the function failed to allocate enough memory.
>   **info**[1] contains additional information for system debugging.