

## NAME

`sg_get_page_stats`, `sg_get_page_stats_diff` – get paging statistics

## SYNOPSIS

```
#include <statgrab.h>
```

```
sg_page_stats *sg_get_page_stats(void);
```

```
sg_page_stats *sg_get_page_stats_diff(void);
```

## DESCRIPTION

`sg_get_page_stats` and `sg_get_page_stats_diff` both return a pointer to a static buffer of type `sg_page_stats`.

`sg_get_page_stats` will return the number of pages the system has paged in and out since bootup.

`sg_get_page_stats_diff` will return the difference since last time it was called. If it has not been called before, it will return `sg_get_page_stats`.

## RETURN VALUES

```
typedef struct{
    long long pages_pagein;
    long long pages_pageout;
    time_t systime;
}sg_page_stats;
```

`pages_pagein`

The number of pages swapped into memory.

`pages_pageout`

The number of pages swapped out of memory (to swap).

`systime` The time period over which `pages_pagein` and `pages_pageout` were transferred.

## BUGS

Solaris doesn't seem to report accurately. It reports the number of pages swapped into memory, not necessarily from swap. This feature isn't deemed entirely reliable.

## SEE ALSO

**statgrab(3)**

## WEBSITE

<http://www.i-scream.org/libstatgrab/>