



## ***Linux Ubuntu 22.4.5 Manual Pages on command 'Sort::Key::Types.3pm'***

***\$ man Sort::Key::Types.3pm***

Sort::Key::Types(3pm)    User Contributed Perl Documentation    Sort::Key::Types(3pm)

### NAME

Sort::Key::Types - handle Sort::Key data types

### SYNOPSIS

```
use Sort::Key::Types qw(register_type);
register_type(Color => sub { $_->R, $_->G, $_->B }, qw(int, int, int));

# you better
# use Sort::Key::Register ...
```

### DESCRIPTION

The Sort::Key family of modules can be extended to support new key types using this module (or the more friendly Sort::Key::Register).

### FUNCTIONS

The following functions are provided:

Sort::Key::register\_type(\$name, \&gensubkeys, @subkeystypes)

registers a new datatype named \$name defining how to convert it to a multi-key.

&gensubkeys should convert the object of type \$name passed on \$\_ to a list of values composing the multi-key.

@subkeystypes is the list of types for the generated multi-keys.

For instance:

```
Sort::Key::Types::register_type
    'Person',
    sub { $_->surname,
         $_->name,
         $_->middlename },
    qw(str str str);
```

```
Sort::Key::Types::register_type
    'Color',
    sub { $_->R, $_->G, $_->B },
    qw(int int int);
```

Once a datatype has been registered it can be used in the same way as types supported natively, even for defining new types, i.e.:

```
Sort::Key::Types::register_type
    'Family',
    sub { $_->father, $_->mother },
    qw(Person Person);
```

## SEE ALSO

Sort::Key, Sort::Key::Merger, Sort::Key::Register.

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perl v5.30.0

2019-10-18

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