

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.

COPYRIGHT AND LICENSE

Copyright (C) 2005–2007, 2014 by Salvador Fandiño, <sfandino@yahoo.com>.

This library is free software; you can redistribute it and/or modify it under the same terms as Perl itself, either Perl version 5.8.4 or, at your option, any later version of Perl 5 you may have available.