# Linear

## Parametrization

This model is just a simplified way of spesifying a "fixed" effect

$$\eta_i = \beta w_i$$

where $\beta$ is Normal with mean $\mu$ and precision $\tau$ (which are typically unequal to the default values; see `?control.fixed`).

## Hyperparameters

None

## Specification

```
f(w, model="linear", mean.linear = <mu>, prec.linear = <prec>)
```

where `<mu>` *is the prior mean and* `<prec>` is the prior precision.

### Hyperparameter spesification and default values

**doc** `Alternative interface to an fixed effect`

**hyper**

**constr** `FALSE`

**nrow.ncol** `FALSE`

**augmented** `FALSE`

**aug.factor** `1`

**aug.constr**

**n.div.by**

**n.required** `FALSE`

**set.default.values** `FALSE`

**pdf** `linear`

## Example

```
n = 100
w = runif(n)
y = 1 + w + rnorm(n)
r = inla(y ~ f(w, model = "linear",
            mean.linear=1, prec.linear=1),
      data = data.frame(y,w))
summary(r)
```

## Notes

None