Truncated Gaussian prior

Parametrization

This is a prior for a precision τ and defined as follows. The standard deviation $\sigma = 1/\sqrt{\tau}$ is Gaussian distributed with mean μ and precision κ but truncated to be positive.

Specification

This prior for the hyperparameters is specified inside the `f()` function as the following using the old style

```
f(<whatever>, prior="logtnormal", param=c(<mean μ>, <precision κ>))
```

or, better, the new style

```
f(<whatever>, hyper = list( <theta> = list(prior="logtnormal", param=c(<mean μ>,
                                <precision κ>))))
```

Similar with "logtgaussian".

Example

In the following example we estimate the parameters in a simulated example with gaussian responses and assign for the precision τ, the above prior.

```
n=100
z=rnorm(n)
y=rnorm(n,z,1)
data=list(y=y,z=z)
formula=y~1+z
result=inla(formula, family="gaussian", data=data,
            control.family=list(hyper = list(prec = list(prior="logtnormal", param = c(0, 0.01
```