# pc.gamma: The PC prior for $\theta = \pm \log(a)$ in the $\Gamma(1/a,1/a)$ distribution with base model a=0

#### Parametrization

This is the PC prior for  $\theta = \pm \log(a)$  in the  $\Gamma(1/a, 1/a)$  distribution distribution where a = 0 is the base model.

## Specification

This prior for the hyperparameter is specified in the hyper-spesification, for  $\theta = +\log(a)$  it is

hyper = list( = list(prior="pc.gamma", param=c())) and for 
$$\theta = -\log(a)$$
 it is   
hyper = list( = list(prior="pc.mgamma", param=c()))

## Example

#### Notes

See also functions inla.pc.{d,p,q,r}gamma which gives the same PC prior, but for  $\theta = a$  instead of  $\theta = \pm \log(a)$ .

This function is experimental.

<sup>&</sup>lt;sup>1</sup>Gamma distribution with mean 1 and variance a, or shape= 1/a and rate= 1/a