R documentation
of 'covSum.Rd'

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covSum	*Sum of covariance functions*

Description

Provides sum functionality of two covariance functions .

Usage

```
covSum(covfuncsum , logtheta  = NULL,  x  = NULL, z = NULL, testset.covariances= FA
```

Arguments

covfuncsum	covfuncsum is a string variable which is consist of two covariance function names seperated by a "," .
logtheta	logtheta is hyperparameter vector variable.
x	Input parameter to define the function over
z	Index number of logtheta vector
testset.covariances	
	Logic value to decide to compute testset covariances or not.

Value

If `z` is not null and `testset.covariances` is TRUE this function calculates test set covariances and if its FALSE the function computes derivative matrix. When covNoise is called without parameters is reports the minimum number of parameters other than logtheta which it can accept. The output of this function is a list consisting variables A and B. B will include testset covariances calculation when `testset.covariances` is TRUE.

Author(s)

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References

Carl Edward Rasmussen and Christopher K. I. Williams.Gaussian Processes for Machine Learning. *MIT Press*, 2006. ISBN 0-262-18253-X. Carl Edward Rasmussen & Hannes Nickisch. gpml(GAUSSIAN PROCESS REGRESSION AND CLASSIFICATION Toolbox) Matlab Library.

Examples

```
params= covSum("covSEiso,covNoise")
params
```

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