

computeTuneCriteria

Objective function to solve minimum constraint problem, delivers negative function values to search minimum function evaluation. Estimates the minimum of the negative logarithmic marginal likelihoods for current model parameters. No assignments on model, just recalculate function evaluation minimum.

Syntax

```
feval = computeTuneCriteria(theta, Mdl)
```

Description

feval = computeTuneCriteria(theta, Mdl) sets new kernel parameter, reinitiates model and calculates min criteria by likelihoods.

Input Arguments

theta kernel parameter vector.

Mdl model struct to reinitiate.

Output Arguments

feval function evaluation value.

Requirements

- Other m-files required: None
- Subfunctions: initKernelParameters
- MAT-files required: None

See Also

- [tuneKernel](#)
- [initKernelParameters](#)

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```
function feval = computeTuneCriteria(theta, Mdl)
    % reinit kernel on new theta kernel parameters
    Mdl.theta = theta;
    Mdl = initKernelParameters(Mdl);

    % return function evaluation as neg. likelihood of radius
    feval = -1 * (Mdl.LMLsin + Mdl.LMLcos);
end
```