R documentation

of 'man/smoothDisplacementfield.Rd'

March 1, 2016

`smoothDisplacementfield` *smooth a displacement field using Gaussian smoothing*

Description

smooth a displacement field using Gaussian smoothing

Usage

```
smoothDisplacementfield(dispfield, k = 10, sigma = 20, type = c("Gauss",
  "Laplace", "Exponential"), threads = 1)
```

Arguments

`dispfield`	displacement field created using `createDisplacementField`
`k`	integer: number of k closest points to evaluate.
`sigma`	sigma controls the weight of the neighbourhood by defining the standard-deviation for the gaussian smoothing
`type`	kernel function for smoothing are "Gauss","Laplace" and "Exponential"
`threads`	integer: number of threads to use for computing the interpolation.

See Also

`interpolateDisplacementField`

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