

○Name

perdecomp Periodic/Smooth image decomposition: $u=p+s$

○Command Synopsis

perdecomp *u p [s]*

u : input Fimage
p : periodic component (Fimage)
s : smooth component (optional Fimage)

○Function Summary

Fimage perdecomp (*u* , *p* , *s*)
Fimage *u* ;
Fimage *p* ;
Fimage *s* ;

○Description

This module computes the periodic + smooth decomposition ($u = p + s$) of a float image u , described in [1]. The input is a Fimage (u), and the module returns the periodic component (Fimage p) and, if requested, the smooth component (Fimage $s = u - p$).

[1] L. Moisan, “Periodic plus Smooth Image Decomposition”, preprint MAP5, Université Paris Descartes, 2009.

○See Also

fft2d.

○Version 1.0

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