

# Dynamic Texture decomposition using spatio-temporal MCA

Dynamic Texture decomposition

using  
spatio-temporal MCA

Reference:

Decomposition of Dynamic Textures using Morphological Component Analysis.

Sloven Dubois, Renaud Péteri and Michel Ménard

IEEE Transactions on Circuits and Systems for Video Technology, vol.22, no.2, pp.188-201, Feb. 2012.

[PDF](#)

All videos come from the DynTex database

DynTex: A Comprehensive Database  
of Dynamic Textures.

Renaud Péteri, Sándor Fazekas and Mark J. Huiskes.

Pattern Recognition Letters,  
Volume 31, Issue 12, 1 September 2010, Pages 1627-1632.

Original video

Curvelet component  
(geometry)  
LDCT component (oscillations)

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation

Original video

Curvelet component

LDCT component

First visualisation

Second visualisation