Overview of implemented algorithms

This list gives an overview of the feature extraction algorithms provided by ImFEATbox. For each function, the feature categories it has been assigned to and the number of extracted features (in case all features from the function are being extracted) are given.

Function	Categories	# features
AffineMomentsF.m	overall: global, moments Parts: none	6
ConnectivityF.m	overall: local, texture Parts: none	47
DCTF.m	Overall: global, transform Parts: corr	2901
DHankelF.m	overall: global, transform Parts: corr	75
DistancTrafoF.m	overall: global, transfom Parts: correlation	56
EBRandIBRF.m	overall: local, form, textire Parts: corr	1211
FormFactorF.m	overall: global, form Parts: corr	32
FourierTrafoF.m	overall: global, transform Parts: corr, moments	300
FractalDimensionF.m	overall: global, form Parts: none	27
GillesF.m	overall: local, entropy Part: none	6
GLCMF.m	overall: global, texture Parts: corr, entropy	672
HarrisF.m	overall: local, texture Parts: none	10
HistogramF.m	overall: global, texture Parts: entropy	6
HoughTrafoF.m	overall: global, form, transform Parts: moments	393
HuF.m	overall: global, moments Parts: none	8
IntensityF.m	overall: global, texture Parts: corr, entropy	7
LawF.m	overall: local, texture, moments Part: none	58
LineProfileF.m	overall: local, texture Parts: moments, corr	122
LocalBinaryPatternF.m	overall: local, texture Parts: none	1024
LoGF.m	overall: local, texture Parts: moments	261
LOSIBF.m	overall: local, texture Parts: none	34
MSERF.m	overall: local, texture Parts: none	15
QuadtreeDecompositionF.m	overall: local, texture Parts: none	5
RCovDsF.m	overall: corr Parts: moment	15

feature overview

Function	Categories	# features
RunLengthF.m	overall: texture, global Parts: none	44
SalientRegionF.m	overall: texture, local Parts: moments	8
SectorF.m	overall: local Parts: none	5
SkeletonizationF.m	overall: global, transform Parts: corr	17
SURF.m	overall: texture Parts: none	11
SVDF.m	overall: global, texture Parts: none	780
TopHatTrafoF.m	overall: transform, global, form Parts: moments	60
UnitaryTrafoF.m	overall: transform, global Part: none	73
ZernikeF.m	overall: global, moments Parts: none	92
	Total:	**8381**