1.Local Binary Descriptors (LBP, ORB, FREAK, others)

LBP

A cat looking at the camera

Description automatically generated

ORB

A cat with green eyes

Description automatically generated

FREAK

A cat with red eyes

Description automatically generated

2. Spectra Descriptors (SIFT, SURF, others)

SIFT

A cat with green eyes

Description automatically generated

3. Basis Space Descriptors (FFT, wavelets, others)

FFT

A cat looking at the camera

Description automatically generated

Wavelets

A cat looking over a ledge

Description automatically generated

4.Polygon Shape Descriptors (blob object area, perimeter, centroid)

Contours and Centroid

A cat with a cat's head

Description automatically generated