The attachment is the core code of “Image Perceptual Hashing Testing Platform”.

The whole platform is designed and coded by me and my colleague Dr. Hui Zhang in the year 2008. We have published several papers based on this platform including

[Predigest Watson's Visual Model as Perceptual Hashing Method](http://scholar.google.com/citations?view_op=view_citation&hl=zh-CN&user=2HB0iVEAAAAJ&citation_for_view=2HB0iVEAAAAJ:UeHWp8X0CEIC) (ICCIT'08) available <http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4682312>

A multi-channel combination method of image perceptual hashing (NCM'08) available

<http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=4624122>

A Security Enhancement Scheme for Image Perceptual Hashing (NCM’09) available

<http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=5331346>

A Benchmark for Perceptual Hashing based on Human Subjective Identification (ITJ 2009) available

<http://scialert.net/fulltext/?doi=itj.2009.544.550>

The whole project also includes 4G image data for testing.

This platform implemented including image feature extraction (hash code) algorithms, several attacks on the images, image quality assessment algorithms as well as plotting experimental results.