ReadMe File

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Date: November 4, 2000

The spectral images posted here are only for research purpose. They are not permitted to be used in commercial and other applications.

The spectral image files posted here are the TIFF formats with the pixel components written as floating point entities which will provide accurate reconstructed spectral images. Each pixel of the spectral image gives three eigenvalues. The eigenvectors calculated from principal component analysis based on the facial spectral reflectances are contained in the text file of EigvenVectors_AlllFaces_3PCA. The range of wavelength is 400 ~ 700nm with 2nm interval. Those spectral images are calculated using 2-step method with 17 terms of transform matrix. The details of the experiment are given in the technical report with the title of Spectral Imaging of Human Portraiture. With the limit of memory space, only small parts of the spectral images are posted here. This research is current in processing to extend more races, including African American, Indian, Hispanic, and etc. If you need further information or have comments, please contact me at

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