

3.1 Fourier Descriptors for Shape and Motion.

Echocardiography, i.e. examining the pulsating heart by real-time two-dimensional ultrasound scanning, is an advanced technique which allows for studying a wide spectrum of cardiac disorders. In this Project you will study the shape and motion pattern of the human left ventricle using Fourier Descriptors. The task is to determine reasonable cut-off frequencies in the spatial as well as in the temporal domain.

[Images](#)

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