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Cardiovascular Disease Detection using SVM

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Abstract: *Cardiovascular Diseases are commonly identified using a stethoscope. Currently there are so many device like digital stethoscope and mobile device can be used for this purpose. Without medical knowldge it will be difficult to identify the Heart irregularities. The paper introduce a new method to classifying heartbeat. It is on the basis of classifying audio heart recordings to five most commonly occuring classes that are artifact, extra heart sound, extrasystole, murmur and normal heart beat. this method is also check the precision accuracy of SVM method. This paper is also outlines practicality and next step to improve classification of heart sound.*

Keywords: Heartbeat Sounds, Heartbeat Feature Extraction, Classification of Heartbeats

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[6]. Listen to Your Heart: Feature Extraction and Classification Methods for Heart Sounds Angela Chao∗, Shirley Ng† and Linda Wang‡ Department of Systems Design Engineering University of Waterloo Water loo, Canada