

A Custom Compression Scheme for Intracardiac Electrograms

Status: Available

Group Members: TBD

Sponsor(s): Kardium, Inc.

Supervisor(s): Jeff Brewster, Software Team Lead, Kardium, Inc.
Farid Golnaraghi, PhD, PEng, Director/Professor, Mechatronic Systems Engineering

Project Description

Kardium is developing a novel catheter for atrial ablation that contains over 400 sensors. During a procedure we log the data from all of these sensors and the resulting file can be very large (10s of GB). This makes the procedure logs very unwieldy and costly to store. Kardium would like to find a way to compress these files to make these files easier to move and archive. We