# Patent Search

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**Abstract:**

IMPLEMENTATION AND ANALYSIS OF FRACTIONAL DERIVATIVE BASED WEIGHTED SKIP CONNECTIONS FOR SATELLITE IMAGE ROAD SEGMENTATION A method of impl and analysis of fractional derivative based weighted skip connections for satellite image road segmentation. The Exemplified method and system facilitate monitorin evaluation of disease or physiological state using mathematical analysis and machine learning analysis of a biopotential signal collected from a single electrode. The e method and system create, from data of a singularly measured biopotential signal, via a mathematical operation via numeric fractional derivative calculation of the si frequency domain, one or more mathematically-derived biopotential signals that is used in combination with the measured biopotential signals to generate a multi-d phase-space representation of the body. By mathematically modulating portions of a given biopotential signal, in the frequency domain, the numeric-based operatio emphasis or de-emphasis to certain measured frequencies of the biopotential signals.

Complete Specification

Description:
IMPLEMENTATION AND ANALYSIS OF FRACTIONAL DERIVATIVE BASED WEIGHTED SKIP CONNECTIONS FOR SATELLITE IMAGE ROAD SEGMENTATION

BACKGROUND

Technical Field
[0001] The embodiments herein generally relate to an Implementation and analysis of fractional derivative based weighted skip connection for satellite image roa segmentation.
Description of the Related Art
[0002] A method relates to methods and systems to diagnose cardiac pathologies via mathematical and machine learning analysis on biopotential signals. The mo frequent type of congenital heart defects (CHDs) are ventricular septal defects (VSDs), which account for the majority of these birth anomalies. Only a little amount research has been done on the long-term effects of resolved ventricular septal defects (VSDs) on postnatal heart function. Clinically, roughly 80% of VSDs resolve spontaneously within the first year. As an extension of integral calculus, fractional calculus has drawn considerable academic interest in the domains of electrical engineering, robotics, biotechnology, signal processing, and similar. The approach is frequently used for control systems and has the potential benefits of robustnes design freedom, transient performance, and others. It may also correctly depict real engineering objects and technological processes. Due to its numerous uses as

View Application Status