

Samvel Gerasim GEVORGYAN

Research Institute of Physics
Laboratory of Solid State Physics
Group Leader

☎ 23-60
(060) 71-03-60
✉ gevs_sam@ysu.am

Language skills

Հայերեն Русский English

Publications

Article

Applicability of the single-layer flat-coil-oscillator technology-based vibration and vibro-acoustic sensors in medical and biological study of the cardiovascular system: Advantages and perspectives of the carotid pulse wave registration

G. S. Gevorgyan, S. G. Gevorgyan, A. S. Khachunts, A. A. Tumanian, N. E. Tadevosyan

Review of Scientific Instruments 2022 054109

Article

On the possibility of recording and studying human movement activity with seismic sensors of a new type: Advantages and prospects of the single-layer flat-coil-oscillator technology based sensors

S.G. Gevorgyan, G.S. Gevorgyan, V.S. Gevorgyan, B.K. Kurghinyan, A.S. Khachunts, H.G. Shirinyan,

S.A. Khachunts

Review of Scientific Instruments 2021 055011

Article

Бесконтактное дальнеполевое неdestructивное сканирование различных структур и сред радиочастотным «магнитно-полевым» SFCO зондом - новая технология визуализации

С.Г. Геворгян, Г.С. Геворгян, А.С. Хачунц, С.А. Хачунц

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 63-77

Article

Non-Contact Far-Field Non-Destructive Scanning of Various Structures and Media by Radio-Frequency 'Magnetic-Field' SFCO-Probe - a New Type of Visualization Technology

A. S. Khachunts, S. G. Gevorgyan, G. S. Gevorgyan, S. A. Khachunts

Journal of Contemporary Physics (Armenian Academy of Sciences) 2020 46-56

Article

Radio-Frequency 'Magnetic-Field' Probes Based on the Single Layer Flat Coil Oscillators - New Type of SFCO-sensors for Bio-Medical Investigations

A. S. Khachunts, S. G. Gevorgyan, N. E. Tadevosyan, A. A. Tumanyan, E. G. Kostanyan, I. G. Tadevosyan, B. K. Kurghinyan, S. A. Khachunts, V. S. Gevorgyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2019 386-393

Article

On the Possibility of Application of SFCO Sensors for Investigation of Vibration and Acoustic Signals from Biological Objects

A. S. Khachunts, S. G. Gevorgyan, I. G. Tadevosyan, E. G. Kostanyan, S. T. Muradyan, V. S. Gevorgyan, N. E. Tadevosyan, S. A. Khachunts

Journal of Contemporary Physics (Armenian Academy of Sciences) 2017 286-294

Manual

Տեսաձրող զոնդային մանրադիտում

Ս.Տ. ՄՈՒՐԱԴՅԱՆ, Ֆ.Կ. ԿԱՐԴԱՆՅԱՆ, Ս.Գ. ԳԵՎՈՐԳՅԱՆ

2010 194

Conference

A Single-Layer Flat-Coil-Oscillator-Based Technology as a Highly Sensitive Promising Detector for State-Of-The-Art Applications in Different Fields of Science

S.G. Gevorgyan, A.S. Khachunts

Conference

SFCO POSITION AND VIBRATION SENSORS AS A HIGHLY SENSITIVE TOOL FOR BEHAVIORAL PHYSIOLOGY RESEARCH

SG Gevorgyan, AS Khachunts, AA Tumanian, AR Sargsyan, GS Gevorgyan
