

Annotation

Theme: "Ultrasonic introscope for visualization of kidney tissues"

An author of work a student of the National technical university of Ukraine the "Kyiv polytechnic institute" Ruslana Lashta.

A diploma project contains: Pages - 107, Tables - 9, Pictures – 45, List of literature - 8 definitions.

The purpose of this project is creation of the ultrasonic system for kidney fabrics visualization base on switched linear matrix.

The main purpose of this theme, ground of control method is considered in the first chapter. On the basis of existing echo systems proposed structural scheme which provide the main technical requirements.

In the second chapter was selected frequency range for or the diagnosis of internal organs. Also a series of calculations and functional diagram development.

The third chapter is section focuses to sensor making technology.

Economic calculations are consist in fourth chapter

The fifth chapter is labour protection.

Key words: ultrasound, diagnostics, switched matrix, visualization.