

**Software for parameters optimization of electrically
conductive textile materials**

Project KOMPOZITEX

**Composite Textile Materials for Protection of Humans and
Devices Against the Effects of Electromagnetic and
Electrostatic Fields**

Software for programming of the electromagnetic properties of the composite electrically conductive fabrics

The software is designed for calculating the specific electrical conductivity of individual layers of electrically conductive composite textile material and electromagnetic shielding effectiveness of electrically conductive composite textile material.

License: To use the result of another subject it is always necessary to acquire a license.

Authors: CTU in Prague, FEE - Lukáš Vojtěch, Marek Neruda
Nyklíček a spol. s.r.o. - Rudolf Paar

Contact: lukas.vojtech@fel.cvut.cz

Installation: yes (MATLAB Runtime)

Operating system: Windows

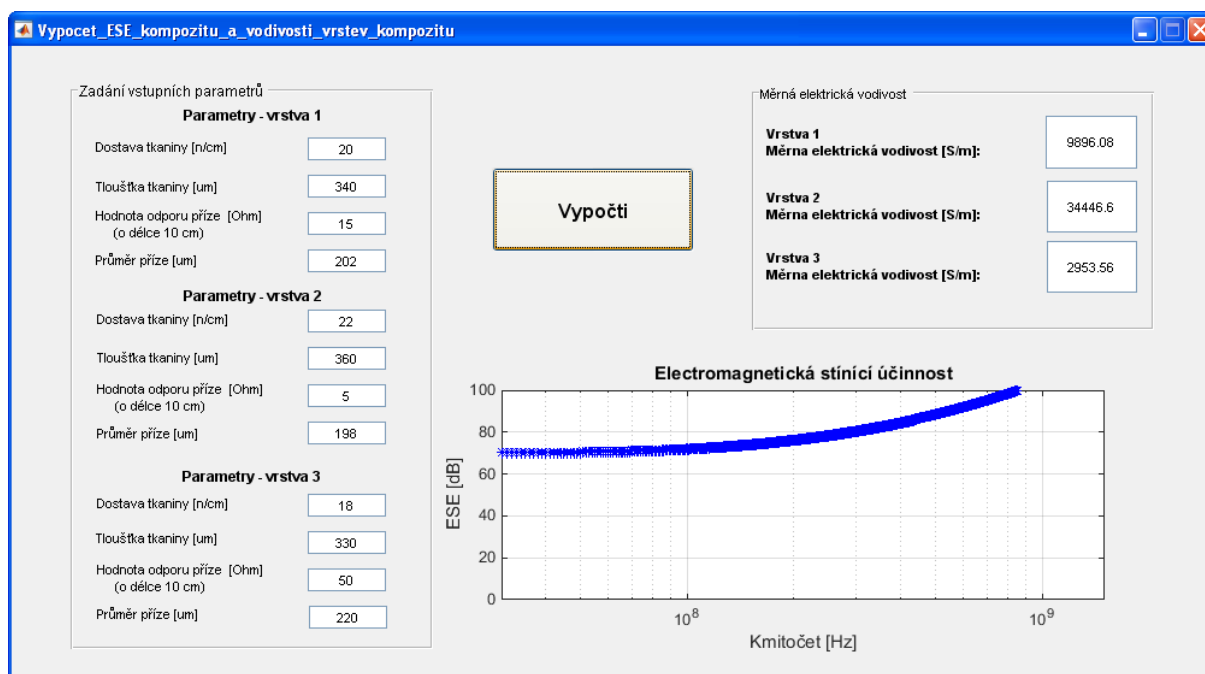


Fig. 1 Results of the application (Czech version).

Software for modeling of the electrical surface conductivity and shielding effectiveness of electrically conductive fabrics

The software is designed for calculating the values of electrical conductivity of fabrics from the input parameters. Software is also designed for calculating of electromagnetic shielding effectiveness.

License: To use the result of another subject it is always necessary to acquire a license.

Authors: CTU in Prague, FEE - Lukáš Vojtěch, Marek Neruda
Nyklíček a spol. s.r.o. - Rudolf Paar

Contact: lukas.vojtech@fel.cvut.cz

Installation: yes (MATLAB Runtime)

Operating system: Windows

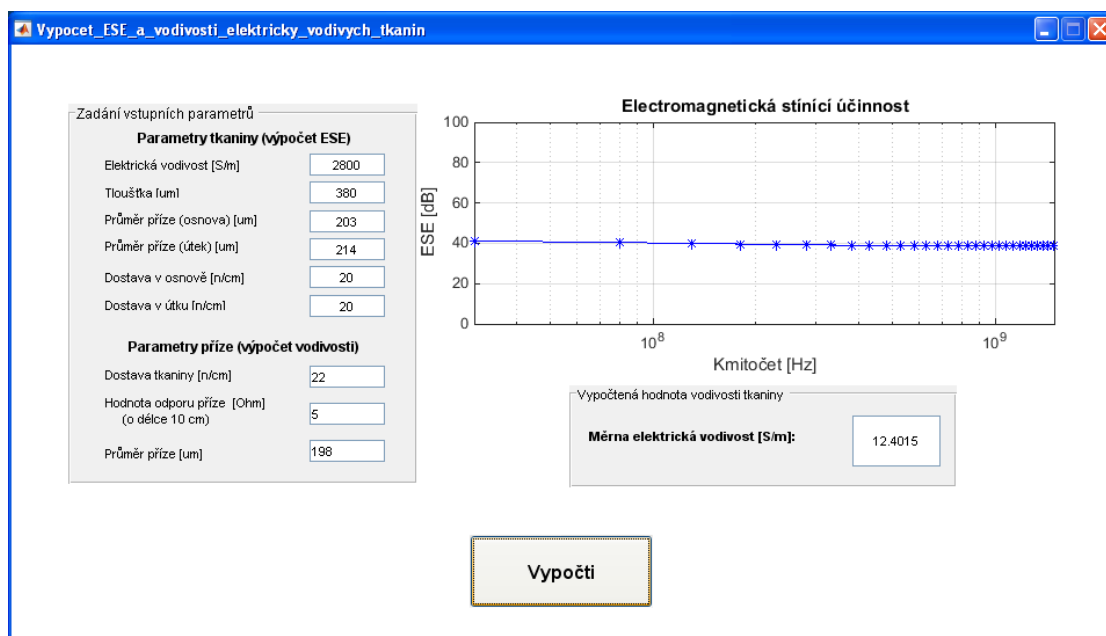


Fig. 2 Results of the application (Czech version).