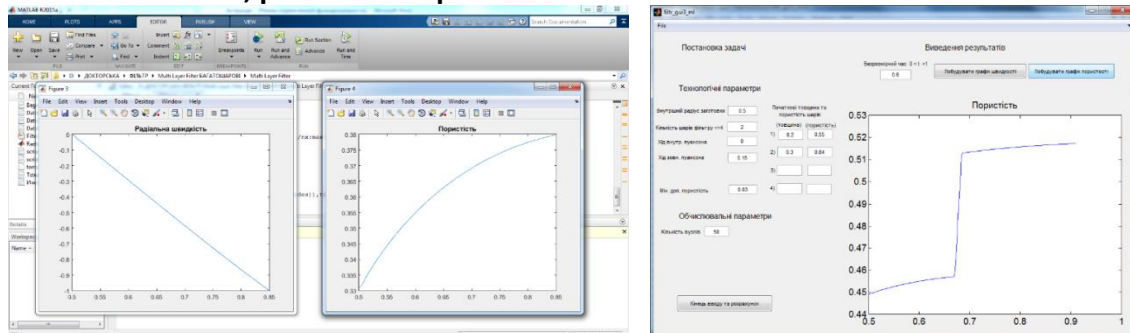




**Course:** Information and communication technologies

1. **Name of innovative development:** Pressure modeling multilayer filters.
2. **Purpose and scope:** To establish the relationship between the technological modes of obtaining multilayer filters and their performance characteristics, a new progressive method for predicting the porous structure of the multilayer filtering material was obtained by the method of dry radial isostatic pressing of a metal powder.
3. **The main characteristics, the essence of development:** This program can be used for both scientific purposes and for the training of students, masters in any educational institution. It allows the user to simulate the compression of multilayer powder filters with a given porosity. The program is a systematic method of introducing the initial data for compression, which allows to significantly improve the production of quality multilayer powder filters.
4. **Comparison with the world analogues, the main advantages of development:** There are no analogues of this kind of programs for predicting the properties of filtering materials.
5. **The State of Intellectual property protection:** 2 certificates for the author's work were received.
6. **Demand on the market:** Filter powder materials are used in various industries of Ukraine. Their application is 65% of the total. Therefore, prediction of their properties is topical and relevant for future use.
7. **Condition of development readiness:** 100% - an active program for educational and production use.
8. **Color illustrations, photo development:**



9. **Coordinators for communication:**  
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