

WORKING WITH EXCEL ON A COMPUTER

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Annotation: Tables are used for convenient representation of data. The computer allows them to be expressed electronically, as a result the ability to not only visualize data, but even process it there is The most common document handler in tabulation one of the program tools is Microsoft Excel (Excel for short) is a program.

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Spreadsheets can represent the information written on it in the form of various types of diagrams, graphs, images and pictures. For example, let's say you want to determine whether the sales of your goods depend on months or seasons. Your spreadsheet software can use your sales data for a particular product or group of products over the past year or two to give you an idea of what sales can be expected this year. Accordingly, You can make appropriate decisions about the type and quantity of goods to be purchased wholesale. So, you can plan your sales activities well. This is just the beginning of your use of modern technologies. Later, with the help of a computer, you will be able to do things that could not be done without appropriate calculations. For this, a set of knowledge of mathematical statistics is needed. Knowing these things and being able to use a spreadsheet program will help you plan your work, get maximum profit, and put an end to spending your money for nothing. That is why it is possible to use various methods of applied mathematics and economics in the electronic spreadsheet program.

The speed of the spreadsheet program depends largely on the size of the computer's RAM. Creating diagrams in the EXCEL spreadsheet program is very simple and simplified. This work is carried out step by step. It is also very simple to make the necessary changes to the ready-made diagrams. Excel has the following data processing options:

- Working with elementary mathematical and logical functions.
- Using various functions that allow you to work with rows and columns of the table.
- Using statistical functions, for example, regression analysis or dispersion analysis.



Using sorting and displaying functions that work with table data.

- Using a wide variety of functions to enable optimization and modeling.

An initial statistical analysis was performed in Excel, and its results are presented in a separate table. It will be useful for you to learn about its possibilities and try to solve concrete examples to use it in your work. In addition, it has extensive capabilities designed to solve multidimensional inverse problems. To solve such a problem, it is enough to give restrictions and data change intervals. The solution is made by bisecting the given section. In most cases, this will provide sufficient results for the analysis.

This spreadsheet program also includes programming language (VISUAL BASIC), macro command set, editing and program customization options. In it, for example, it can use a programming language called Visual Basic to maximally automate spreadsheet processes. In order to use the spreadsheet calculator as an information complex/base, the following options have been created in the software program:

- Sorting (Sorting).
- Creating an appropriate set using various indicators or criteria.
- Creation of the necessary information table as a result of data processing.
- Communicating with other applications, including data exchange through a local or global network.

In EXCEL, in addition to these, the autofilter function is implemented and it allows you to do many things. This spreadsheet program also provides integrated software communication with other Windows programs. The program has its own tutorial, help system and related buttons. So, this electronic spreadsheet program gives great opportunities not only to work with tables, but also to effectively work with the database represented by them. The terms and concepts you need to know to work with the table calculator are as follows:

An address is a cell name that can be used to find any cell in the workbook. The address is determined by the column name and row number. For example, cell S4 is located at the intersection of column S with row 4.

Cell activation - the cell must be activated before data can be entered. A cell is activated by clicking with the mouse pointer.

A clipboard is a temporary memory that is used to move data from one location to another or from one program to another.



Separation - used to indicate which cells will be involved in this or that operation before it is performed. The selected cell or cells are framed. A range of cells is a range of selected cells in a worksheet.

A name is a name given to cells or ranges, which can be used in addresses and applications, and as addresses in formulas.

Worksheets, charts, and macros are combined into a single document - a book - in the Book - spreadsheet calculator. The minimum size of each book is three worksheets (pages). Using the context menu, you can add new pages to the book or remove them. All workbook sheets are stored in one file.

A context menu is intended for the operation of the active object and is associated with the current operation. The context menu is opened by clicking the right mouse button or by pressing the key combination Shift + FI.

Workbook sheets - data entry and calculation operations are performed on workbook sheets. A worksheet (or worksheet) is divided into rows and columns. It has 256 columns and 65536 rows, and the number of cells is 16777216.

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