



A New Discrimination Diagram Software for Geoscientists

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The software is a tool to draw discrimination diagrams (tectonic discrimination diagrams, rock classification diagrams, phase diagrams etc.) used in many disciplines especially in geosciences and environmental sciences. The coordinates of the discrimination lines in many diagrams are not known precisely. Drawing such diagrams and adding data are tedious. Unlike other software programs which include drawing of discrimination diagrams, it is not necessary to know the exact coordinate values of discrimination lines in this program. The graphic added into the program as a sketch file is digitized and all data is stored in a binary file. Because the digitized graphic file is saved, it does not need to be redrawn. After digitizing, x and y values of the points which were added into the program via data entry screen are plotted on the digitized chart. The program has its own data entry screen and also it is compatible with MS Excel files. The user can copy output of the diagram as a metafile (enhanced) or a bitmap file, can save it as a jpeg file or can print it. Because the enhanced metafile format is a scalable vector graphic format, the user can transfer graphic to a third party software and can make some arrangements on it. The software was developed using Microsoft Visual Basic .NET programming language and it is free.