

## **Lithological Columns**

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### **Abstract**

With the development of computing and information technology there has been a surge in Computer Aid Design Systems (CAD). These are powerful, important tools for engineering work. A lithology column is a graphic representation of the soils and rocks strata at a specific point, location or in a geological region. It gives information about soils and rocks, their depths and thicknesses, water levels, per cent recovered from a test boring, using a system of soil and rock symbols. The use and application of this programme is important for understanding local and regional structural geology, geological surveys, hydrogeology, geological engineering and so on. Our work was to create software that resolves the Lithology Column or the geological profile design from geological data from cores, and reduce the design time that specialists waste with computer design software like AutoCAD. Another purpose was to create a lithological data base for use in other work and contribute to the geological knowledge of the province of Santiago de Cuba.