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# COMpacs<sup>®</sup>

FRIENDLY PROGRAMS FOR ENGINEERS WITH SMALL COMPUTERS

## COMpac 1013

### **SPECIFICATION**

**SUBJECT:** Stresses and deflections in flat rectangular plates under normal pressure, taking account of in-plane restraints.

**PURPOSE:** This is an interactive program, with graphics, enabling the user to make an accurate estimate of the stresses and deflections at various positions in a structural plate when its geometry, material and loading are known. Alternatively the thickness of such a plate may be determined in order to keep stresses and/or deflections below specified limits. The COMpac enables the professionally qualified user, though having no special computer or language knowledge, to follow these and many other design or analytical routes.

**BASIS:** ESDU Data Item 71013 with latest amendments.

**MECHANICAL DETAILS:** The COMpac comprises a User's Manual, ESDU Data Item 71013 and a program currently available in the following form:

1. DC-300A Data Cartridge for Tektronix 4051 (16k version), 4052 or 4054.

MAY 80



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