



force table

SCN-F001E

Function

Intended for experimental study, physics laboratory and carrying out physics experiments on: Dynamics. Collinear forces in the same direction and collinear forces in the opposite direction. Static. Force resulting from concurrent coplanar forces of equal or any magnitude. Defining coplanar force and concurrent force. Concurrent coplanar forces of the same magnitude. Any competing coplanar forces. The composition and decomposition of competing coplanar forces with 120° to each other. Identifying the balancing force of the system. The force diagram and the resultant force. Calculation of percentage relative error. The composition and decomposition of competing coplanar forces with 90° to each other. The composition and decomposition of competing coplanar forces with 60° to each other.

Knowledge areas

Physics - Math & Science Fundamentals

Level

Graduation - Technical education - High school

