

Cicala, P.

Castigliano's contribution in structural analysis and the equation of virtual works. (English)

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Castigliano's achievement concerning the properties of derivatives of the complementary energy are analyzed in connection with the virtual work equation and with the previous steps due to Menabrea and to Cotterill.

MSC:

70C20 Statics

74K99 Thin bodies, structures

70-03 History of mechanics of particles and systems

01A55 History of mathematics in the 19th century

Keywords:

minimum work theorem; virtual configuration