



FAST AND EASY ACCESS TO SCHOLARLY
ARTICLES FOUND ON POPULAR WEBSITES

Searching Google, PubMed, and other sites?

Download the **LibKey Nomad** browser extension to get **fast, one-click access** to scholarly articles.

Once LibKey Nomad is installed, look for the button on the websites you visit.

- › **Accelerate your research**
- › **Avoid paywalls**
- › **Access millions of articles in one-click**



Download PDF

Provided by your library

SpringerLink

Search Log in

Published: 12 December 2018

Macroscopic and Microscopic Behavior of Narrow Elastic Ribbons

Roberto Paroni & Giuseppe Tomassetti

Journal of Elasticity **135**, 409-433 (2019) | [Cite this article](#)

637 Accesses | 4 Citations | [Metrics](#)

Published: 12 December 2018

Abstract

A one-dimensional model for a narrow ribbon is derived from the plate theory of Kirchhoff by means of a power expansion in the width variable. The energy found coincides with the corrected Sadowsky's energy. Furthermore, we derive the Euler-Lagrange equations and use them to study an equilibrium configuration of a twisted ribbon. Within this example we also describe how to construct the fine scale oscillations that develop in the deformed configuration.

This is a preview of subscription content, [access via your institution.](#)

Access options

Buy article PDF

US\$ 39.95

Tax calculation will be finalised during checkout.

Instant access to the full article PDF.

Buy journal subscription

US\$ 119

Tax calculation will be finalised during checkout.

Immediate online access to all issues from 2019. Subscription will auto renew annually.

LibKey Nomad is available for:



Chrome



Edge



Firefox



Brave



Vivaldi

To get started:



Go to **www.libkeynomad.com**



Select your browser



Download and install

LibKey Nomad Buttons Explained



Download PDF

Your library has this item and we can instantly download the PDF Full Text in one click.



Article Link

Your library has this item and we can link you directly to the article page, where you can access the full text.



Manuscript PDF

An Open Access version of the article is available. This may not be the final, published version of the article.



Manuscript Link



Access Options

The article may not be immediately available but your library can help you get it.



View Complete Issue

A link to the BrowZine platform where you can view the full journal issue in which the article is published, allowing you to find additional, relevant articles.