
EDITORIAL Geographic Distribution of R&D Funds

ARTICLES Explosion Seismology: E. W. Carpenter

Capabilities and limitations of long-range methods for detecting and recognizing explosions are discussed.

Spandex Elastic Fibers: E. M. Hicks, Jr., A. J. Ultee, J. Drougas

Development of a new type of elastic fiber stimulates further work in the growing field of stretch fabrics.

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BOOK REVIEWS Astronomy for the Space Scientist: T. Page


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**COVER**

Schematic representation of the molecules of an elastic fiber in the unstretched state. The long thin lines are the flexible molecular chains; the heavy short bars represent interchain tie points, which provide structural stability. In natural rubber these tie points are covalent linkages induced by vulcanization. In spandex fibers they are hydrogen bonds. See page 373.
Editor's Summary

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