



Abstract View

[Volume 12, Issue 2 \(February 1982\)](#)

Journal of Physical Oceanography

Article: pp. 117–126 | [Abstract](#) | [PDF \(629K\)](#)

Coastal Amplification of Tsunami Waves in The Eastern Mediterranean

Emin Özsoy and Ümit Ünlüata

Department of Marine Science, Middle East Technical University, P.K.28, Erdemli, Icel, Turkey

Mustafa Aral

Department of Mathematics, Middle East Technical University, Ankara, Turkey

(Manuscript received October 23, 1980, in final form November 14, 1981)

DOI: 10.1175/1520-0485(1982)012<0117:CAOTWI>2.0.CO;2

ABSTRACT

Numerical modeling techniques are used to study tsunami propagation in the eastern Mediterranean. In addition to the propagation patterns, the amplification due to the geometries of the continental shelf and the basin are studied in detail. The surface displacement at selected strategic locations is frequency-analyzed to obtain the resonances and their modal shapes. Coupled resonances are identified in the Cilician Basin-Gulf of Iskenderun system.

Options:

- [Create Reference](#)
- [Email this Article](#)
- [Add to MyArchive](#)
- [Search AMS Glossary](#)

Search CrossRef for:

- [Articles Citing This Article](#)

Search Google Scholar for:

- [Emin Özsoy](#)
- [Ümit Ünlüata](#)
- [Mustafa Aral](#)

top ▲



© 2008 American Meteorological Society [Privacy Policy and Disclaimer](#)

Headquarters: 45 Beacon Street Boston, MA 02108-3693

DC Office: 1120 G Street, NW, Suite 800 Washington DC, 20005-3826

amsinfo@ametsoc.org Phone: 617-227-2425 Fax: 617-742-8718

[Allen Press, Inc.](#) assists in the online publication of AMS journals.