



## Abstract View

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## On the Low-Frequency Motions in the Cilician Basin

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### ABSTRACT

The presence of low-frequency motions in the Cilician Basin (the northeastern Mediterranean Sea) is investigated. An  $f$ -plane, barotropic, wind-driven model is utilized by taking advantage of the channel-like geometry of the basin. An asymptotic method (Allen, 1976) is employed to decouple the channel proper from its narrow and steep coastal margins. A resonant response is predicted at the cut-off frequencies for which the group velocities vanish. Both this resonant response and another form of resonance are discussed. Partial support is found from available data.

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