



## Abstract Details

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**Title:** Coupled Modes of Tropical Ocean-Atmosphere System

**Abstract:**

The observed spectra of variables such as NINO3 or SO indexes, which are indicative for tropical climate variability, are much broader than the spectrum peak contributed by the main El Niño-Southern Oscillation cycles. In addition to the 3-5 year main periodicity of ENSO, significant variances of tropical climate variability on decadal and near annual timescales have been also found in various studies. There is no doubt ENSO is the major coupled mode of the tropical Pacific climate system; the major question remaining is whether there are other physical and independent coupled modes in the tropical Pacific climate system that be responsible for the tropical climate variability on these various timescales. Both theoretic and observation evidences address this question. We will be reviewed and new results will be also presented.

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