

Planetary Wave Propagation off California and Its Effect on Zooplankton

ALLAN J. CLARKE AND MARCELO DOTTORI*

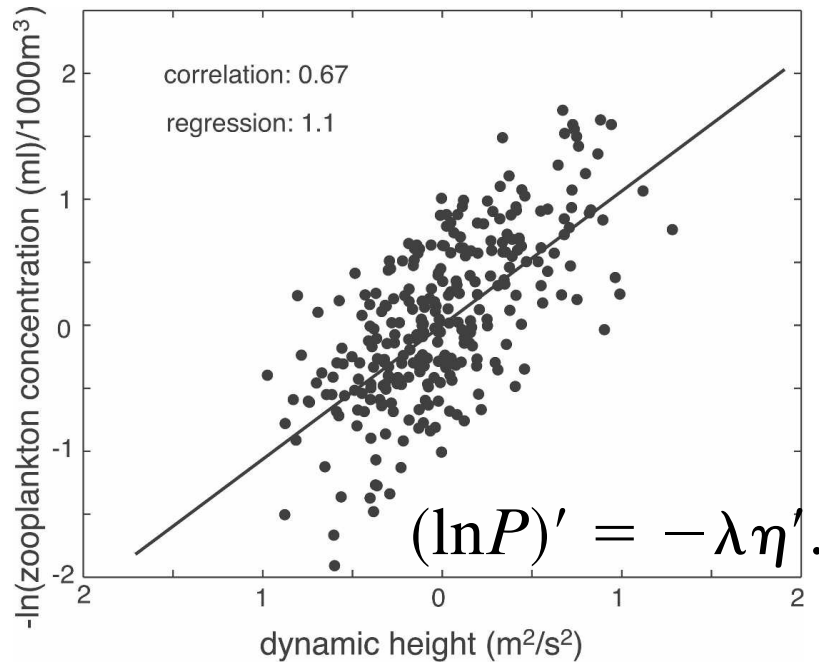


FIG. 10. Monthly anomalies of minus the logarithm of zooplankton volume concentration averaged over the CalCOFI region plotted against anomalies of the dynamic height averaged over the CalCOFI region. Calculations using the method of Ebisuzaki (1997) show that the probability that the correlation is significantly different from zero is greater than 99%.

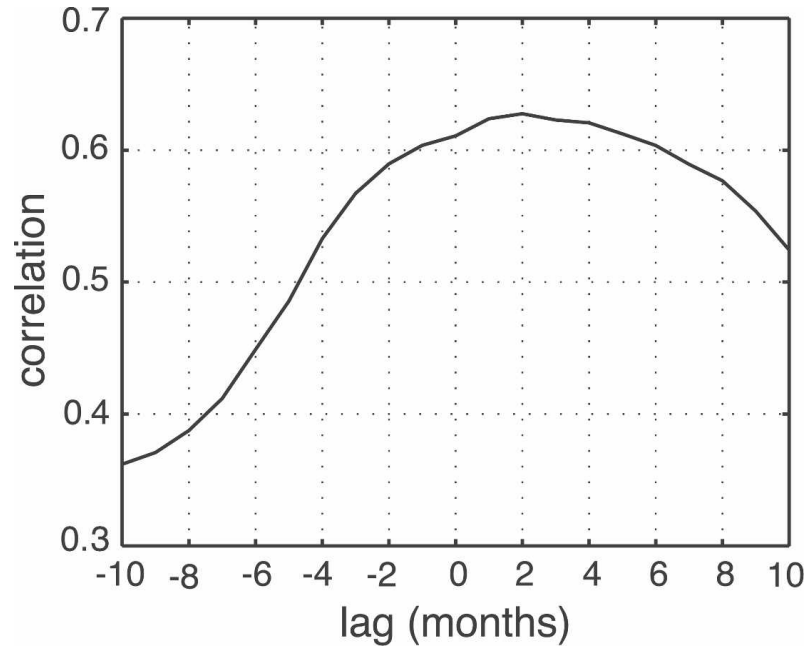


FIG. 11. Lagged correlation of monthly anomalous $(\ln P)'$ averaged over the CalCOFI region with monthly anomalous negative San Diego sea level $(-\eta')$. A positive lag means $-\eta'$ leads $(\ln P)'$.

$$v' = g \frac{\partial \eta'}{\partial t} / (f \gamma \cos \theta)$$

$$\frac{\partial P'}{\partial t} = -v' \frac{\partial \bar{P}}{\partial s},$$