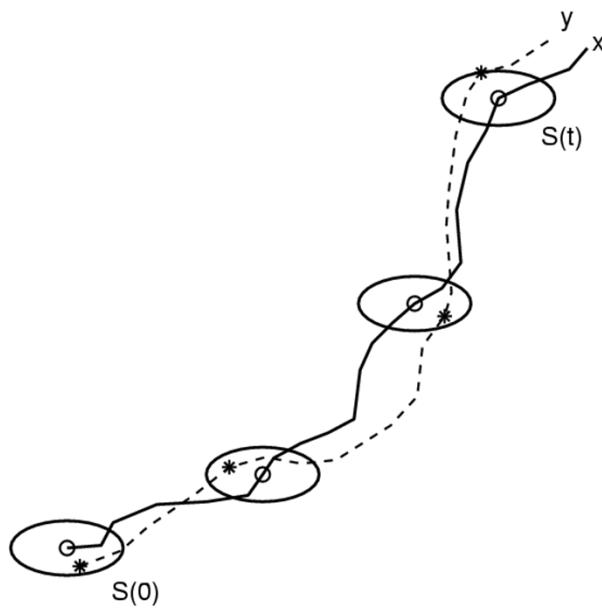


Theoretical Analysis of Predictability

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Brief Description

Establishment of theoretical base for analysis of model predictability and related physical processes

NPS Thesis

Michael J. Roth, "[A coastal air-ocean coupled system \(CAOCS\) for east Asian marginal seas prediction](#)", MS in Meteorology and Oceanography, September 2001

Selected Publications

Chu, P.C., and J. Lan, 2003: Extremely strong thermohaline source/sinks generated by diagnostic initialization. *Geophysical Research Letters*, **30** (6), doi: [10.1029/2002GL016525](https://doi.org/10.1029/2002GL016525) ([paper download](#)).

Chu, P.C., L.M. Ivanov, C.W. Fan, 2002: Backward Fokker-Planck equation for determining model valid prediction period. *Journal of Geophysical Research*, **107**, C6, doi: [10.1029/2001JC000879](https://doi.org/10.1029/2001JC000879), ([paper download](#)).

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Chu, P.C., L. Ivanov, L. Kantha, O. Melnichenko, and Y. Poberezhny, 2002: Power law decay in model predictability skill. *Geophysical Research Letters*, **29** (15), doi: [10.1029/2002GL014891](https://doi.org/10.1029/2002GL014891) ([paper download](#)).