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â€œ The proof requires the solution of the amplitude equation A to be quite smooth. â€œ In general the solutions of the stochastic amplitude equation do not satisfy such bounds. For stochastic (GL): $\sup X \hat{\sim} R \bar{\imath}$, $\bar{\imath}$, $\bar{\imath}$, $A(X, T) \bar{\imath}$, $\bar{\imath}$, $\bar{\imath}$, = $\hat{z} \hat{\in} T > 0$ and A is at most $H \hat{\sim}$ older continuous in space and time. â€œ Solution: Study (SH) in large ...

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Amplitude Equations For Stochastic Partial Differential

Swiftâ€œHohenberg equation; Amplitude equation Abstract In this paper we derive rigorously the amplitude equation, using the natural separation of time-scales near a change of stability, for the stochastic generalized Swiftâ€œHohenberg equation with quadratic and cubic nonlinearity in this form $du \hat{\sim} \hat{\sim} 1 \hat{\sim} @ 2 x \hat{\sim} 2 u \hat{\sim} m e u \hat{\sim} cu u^3 h i dt \hat{\sim} r edW$;

Stochastic amplitude equation for the stochastic

Lecture Notes: Modulation- and Amplitude-Equations for stochastic partial differential equations Dirk Blomker Universit at Augsburg dirk.bloemker@math.uni-augsburg.de Preliminary version July 13, 2015 Abstract Modulation- or Amplitude-Equations are a universal tool to approximate solutions of complicated systems given by partial or stochastic par-

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A novel approach termed stochastic truncated amplitude flow (STAF) is developed to reconstruct an unknown n -dimensional real-/complex-valued signal x from m phaseless quadratic equations of the form $y_{ij} = |x_i + jx_j|^2$. This problem, also known as phase retrieval from magnitude-only information, is NP-hard in general.

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