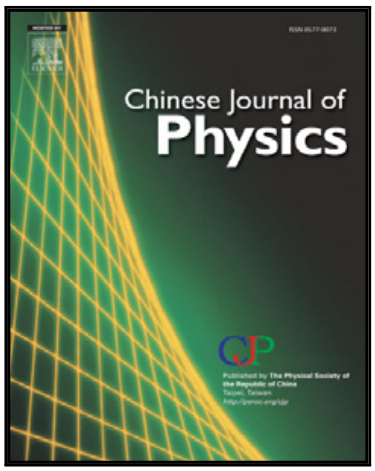

Detection of multi-frequency weak signals with adaptive stochastic resonance system

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Highlights

- Reverse location method is used to obtain the optimal parameters automatically.
- The reciprocal of the SNR reflects the detection error, or the uncertainty of the detection.
- The criterion of SNR is defined as multiple optimum spectrum values.
- The adaptive detection of twelve weak signals is realized.