1026-49-226   **Sergiy Gorovyy*** (`sgorovyy@stevens.edu`), **Anton Molyboha** and **Michael Zabarankin**.
Markov Chain Approach to Optimal Sensor Coverage.

Optimization problem for coverage of an area by radars or active sensors in the presence of noise has been formulated in the framework of Markov Chains. The problem has been solved in several examples for static and dynamic noise. (Received February 28, 2007)