



A Survey on Sensor Coverage in Wireless Sensor Networks

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Abstract -- Most important problem in the wireless sensor networks is only on the sensor coverage, which reflects in the loss of sensing quality. Several approaches to maintain the sensing quality are available with different considerations. Sensor death and migration are two issues that affect sensing quality. To tackle the node sensor node migration problem, sensor coverage and sensor connectivity are used. We have surveyed sensor coverage, connectivity, allocation and relocation with respective algorithms, coverage problem deals with mobility of node and connectivity is supported to coverage. Sensor allocation and relocation are done when the sensor node in the network reaches the death stage. Localization is used to identify the current location of the sensor node with parameter values in 2D manner.

Keywords: Coverage, connectivity, localization, sensor allocation and relocation.

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