Abstract

Wireless sensor networks have a broad variation of applications within the surveillance, military, atmosphere monitoring and medical fields. Coverage and connectivity of sensor networks demonstrates how well a region is monitored. The coverage issues have been studied extensively. Particularly the coverage with respect to connectivity and network lifetime effectiveness is emphasized. Constructing a connected, absolutely encapsulated and energy efficient sensor network is efficacious for real time applications attributable to the restricted resources of sensor nodes. This extensive study highlights the recent research analysis and their respective approaches on coverage of wireless sensor networks. A comprehensive comparison among these approaches are given from the perspective of style objectives, assumptions, algorithm attributes and connected results.

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**Index Terms**

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**Keywords**

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