ABSTRACT

Wireless Sensor Network is in the process of technology with their limited energy, computing and communication skills. In contrast to traditional networking, wireless sensor networks are deployed inaccessible borders, at risk of physical attacks. Sensor networks closely interact with the physical environment, Sensor networks have been deployed for many barrier covering applications such as intrusion detection and border monitoring. It is essential to operate a sensor network of energy-saving way so that the barrier can be covered with as little as possible active sensors. We have analyzed the existing work where we found the k-barrier coverage in which the belt region is crossed, with minimum k number of sensors. Here the number of sensors required for the barrier coverage is more as compared to the solution that we have provided. We have analyzed many cases of triangle and then analyzed the polygon, we have implemented for the convex polygon. our algorithm works analyzing the angles of polygon.

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