

transmitted over obstacles. Signals can be evenly cover the entire detection region.

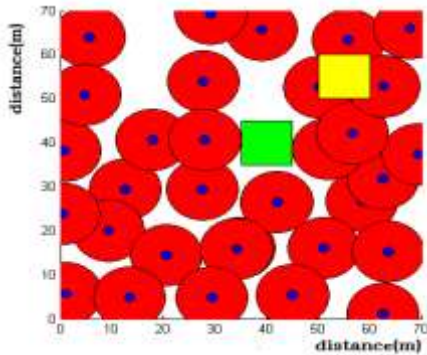


Fig. 3 Network distribution for the hotspots and obstacle based on Diamond virtual force algorithm

4. Conclusion

This paper presents an optimization algorithm which is based on diamond virtual force. The algorithm is applied for the distribution of wireless sensor nodes in the environment of water quality monitoring. It solves the problem of choosing predefined threshold, and provides a valuable reference for distributing wireless sensor nodes in the area of water sources.

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6. References

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