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Enhancing the Availability of Wireless Visual Sensor Networks:
Selecting Redundant Nodes in Networks with Occlusion

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Highlights

- Failures may impair WSN, but redundancy may be exploited to replace faulty nodes
- Applications may have different perceptions of redundancy
- Obstacles may reduce the area viewed by visual sensors, affecting redundancy
- A mathematical model is proposed to compute redundancy in visual sensor networks
- Adjustment of sensing coverage is also proposed to enhance redundancy and availability

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