



Fig. 2. The recognition rate of radar signals in different SNR

5 Conclusion

This paper has been exhibiting a radar recognition algorithm based on relevance feature and neural network. Since the relevant feature extracted has a poor linear character, the paper gave out a new method to regard the points of relevance curves as feature vectors which are the input of neural network. Simulation analysis shows that the method has got a perfect recognition effect, and a high recognition rate when SNR is larger than -5db. Especially, this feature extracting method has a much more widely utilization in the circumstance of fickle radar style environment.

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