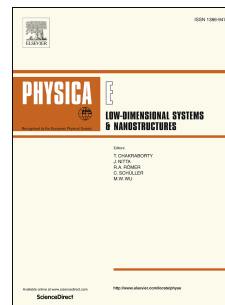


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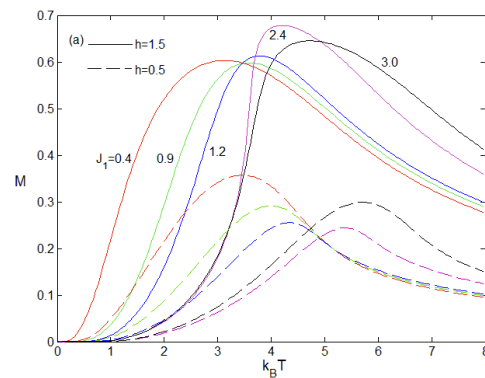
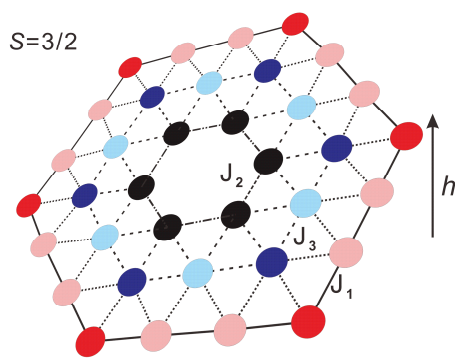
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Graphical abstract

A model of borophene structure with a central hexagonal vacancy is constructed and the magnetic behaviors have been studied in the system.



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