

PHASE SEPARATION IN t-J MODEL

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A t-U-J and t-U-J-V models in $U=\infty$ limit are examined within renormalized mean-field theory. These models exhibit proper low density limits (known from the exact calculations for the two-electron bound states), unlike t-J model. The phase diagrams for arbitrary electron density are calculated, including not only pure superconducting phases but also the phase-separated areas.

9.7 cm

13.4 cm

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