

A GENERALIZED CELL MODEL FOR LIQUID HELIUM AND NUCLEAR  
MATTER<sup>/1/</sup>

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Summary

We generalize the cell model to incorporate the effect of strong spatial correlations between particles moving within a specified cell. The expectation value of ground state energy of quantum fluids with respect to a suitable model wave function is given explicitly. The model is the first practical one which avoids cluster expansion procedures from the outset.

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The paper has been sent to "Il Nuovo cimento".