

**Reply to “Comment on ‘Coulomb-diamagnetic problem in two dimensions’ ”**

S. C. Chhajlany and V. N. Mal'nev

*Department of Physics, Addis Ababa University, Box 1176, Addis Ababa, Ethiopia*

N. Kumar

*Department of Physics, Indian Institute of Science, Bangalore 560 012, India*

(Received 31 July 1990)

We reply to the preceding Comment by Pandey and Varma [Phys. Rev. A **42**, 6928 (1990)].

We agree with Pandey and Varma<sup>1</sup> that our conjecture in its present form holds true only near the ionization threshold where it correctly reproduces the quasi-Landau-levels with  $\frac{3}{2}$  spacing. Away from the threshold

the conjecture deviates considerably from the perturbative results and in particular violates the variational bound for the ground-state energy.

---

<sup>1</sup>R. K. Pandey and V. S. Varma, preceding Comment, Phys. Rev. A **42**, 6928 (1990).