Sikorski and Merkt Reply: Collective modes as suggested by Que in his Comment[1] are not of importance for the far-infrared resonances of our samples. Coulomb coupling between individual dots in our arrays is strongly suppressed by the metal Schottky gate which is in close proximity to the electron dots.[2] Our observation that the resonance frequency does not depend on electron number[2,3] is essentially described by a recent theorem of Brey, Johnson, and Halperin[4] that also applies to quantum dots in a parabolic confining potential.

Ch. Sikorski and U. Merkt
Institut für Angewandte Physik
Universität Hamburg
D-2000 Hamburg 36, Federal Republic of Germany

Received 18 April 1990
PACS numbers: 73.20.Dx, 72.15.Rn, 78.30.Fs

[1]W. Que, preceding Comment, Phys. Rev. Lett. **64**, 3100 (1990).
[2]Ch. Sikorski and U. Merkt, Phys. Rev. Lett. **62**, 2164 (1989).
[3]Ch. Sikorski and U. Merkt, Surf. Sci. **229**, 282 (1990).
[4]L. Brey, N. F. Johnson, and B. I. Halperin, Phys. Rev. B **40**, 10647 (1989).