

We hope that these few remarks will dispel (at least some of) the confusion that seems to becloud understanding of the ion flow in these systems.

*R. W. Bussard*

EMC2  
9100A Center St.  
Manassas, Virginia 22110

Krall Associates  
1070 America Way  
Del Mar, California 92014

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*N. A. Krall*

#### REFERENCES

1. T. J. DOLAN, "Ion Defocusing in Multicusp Plasma Confinement Systems," *Fusion Technol.*, **24**, 128 (1993).
2. R. W. BUSSARD, "Some Physics Considerations of Magnetic Inertial-Electrostatic Confinement: A New Concept for Spherical Converging-Flow Fusion," *Fusion Technol.*, **19**, 273 (1991).
3. N. A. KRALL, "The Polywell": A Spherically Convergent Ion Focus Concept," *Fusion Technol.*, **22**, 42 (1992).
4. M. ROSENBERG and N. A. KRALL, "The Effect of Collisions in Maintaining a Non-Maxwellian Plasma Distribution in a Spherically-Convergent Ion Focus," *Phys. Fluids B*, **4**, 7, 1788 (July 1992).
5. R. W. BUSSARD and L. W. JAMESON, "Inertial-Electrostatic-Fusion (IEF) from D to  $^3\text{He}$ : A Strategy for Practical Fusion Development," *Proc. 2nd Wisconsin Symp. Helium-3 and Fusion Power*, Madison, Wisconsin, July 19-21, 1993.

## RESPONSE TO "COMMENTS ON 'ION DEFOCUSING IN MULTICUSP PLASMA CONFINEMENT SYSTEMS' "

My response to Ref. 1 comprises the following points upon which perhaps the authors of Ref. 1 and I can agree:

1. The degree of focusing is related to the sphericity of the electrostatic equipotential surfaces.
2. Surfaces at small radii probably have fairly good sphericity.
3. Multidimensional computations would be needed to define the shapes of the equipotential surfaces.

In summary, we have differing expectations about the results of such computations.

*Thomas J. Dolan*

Fusion Safety Program  
EG&G Idaho  
Idaho National Engineering Laboratory  
P.O. Box 1625  
Idaho Falls, Idaho 83415-3880

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#### REFERENCES

1. R. W. BUSSARD and N. A. KRALL, "Comments on 'Ion Defocusing in Multicusp Plasma Confinement Systems,'" *Fusion Technol.*, **25**, 228 (Mar. 1993).