

Abstract Submitted  
for the DPP10 Meeting of  
The American Physical Society

**Ionization damping of linear waves in cold plasmas**<sup>1</sup> I.Y. DODIN,  
N.J. FISCH, Princeton University — For an arbitrary linear wave in cold plasma, an  
analytical model is proposed to describe wave damping caused by above-threshold  
ionization and recombination. When either of the two processes dominates, the wave  
energy is also found as a function of the frequency.

<sup>1</sup>The work was supported by the NNSA under the SSAA Program through DOE  
Research Grant DE-FG52-08NA28553.

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Date submitted: 13 Jul 2010

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