Subject: Re: Electro-mechanical properties and diaphragm motion
Posted by adamzuf on Sat, 18 Apr 2009 11:09:07 GMT
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Wayne,Thank you for such a detailed answer."Electrical damping is almost always an order of magnitude greater than mechanical damping"Sorry I don't understand the expression (English ain't my first language)"The difference is that in the pistonic range, the forces required to bend the diaphragm are small enough that it operates as a rigid piston. "Is that because higher frequencies are smaller to "fit" into the diaphragm and push it into the non pistonic range? (smaller driver = higher frequency of cone breakup)"usually if the cone is made stiffer, it tends to breakup later but harder."I assume you meen "higher in frequency?"So, as I gather from what you are saying, the damping of the system loses control over the cone's independant motions, and one can not tell from thiele/small parameters the properties of the non pistonic range at all..?This is great info. Thank you.Adam