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Subject: Peaking and damping - Q

Posted by [Wayne Parham](#) on Fri, 18 Apr 2003 01:52:57 GMT

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The resistances in the tweeter's compensation network set the Q of the circuit. It serves triple duty - (1) It is an attenuator, (2) it augments the top octave and (3) it sets the Q of the circuit, acting as a damper. This kind of thing can be done in many ways, and with different configurations and slopes of crossovers. But the thing is that even the most simple crossover forms a rather complex filter because the load is reactive. A very thorough analysis can be done in Spice.

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