

**ABOUT THE ATTENUATING EFFECT OF EXPANSION CHAMBERS IN CHANNELS**

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The attenuating effect of expansion chambers on the traveling shock waves therein was investigated in a 2d-model scale study. Shock tube experiments were performed visualizing the process with the help of an optical shadow-schlieren technique and a Cranz-Schardin camera and measuring pressures using piezoelectric gages. The evaluation yielded values for the attenuation which were additionally confronted with code computations applying SHARC. The agreement between both types of data is surprisingly well. It follows that the chamber length influences the attenuation more than its height.