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Numerical and experimental studies on nonlinear parametric sound enhancement through different fluid layers

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***Research Highlights**

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Highlights;

- The nonlinear enhancement mechanisms of parametric sound through different fluid layers have been both numerically and experimentally analyzed.
- A transmittance boundary condition is imposed when solving the Khokhlov-Zaboloskya-Kuznetsov equation.
- The enhancement ratio at the sum and difference frequencies increased with increasing length of the different fluid layer.

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