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## Substantiating analog Hawking radiation by inspecting the close vicinity of the acoustic horizon

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We compute the density-density correlation function near an acoustic horizon realized in a Bose-Einstein condensate.

A correct normalization of the field of Bogoliubov excitations necessitates to account for the contribution of zero modes.

Once this is achieved, one obtains a very good description of the recent experimental results of Technion's group.

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