

Title: **Unruh/Hawking radiation for undergraduates**
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Abstract: Using a wide range of tools from the advanced undergraduate physics major toolbox we give an introduction to Unruh/Hawking radiation - the thermal radiation seen by an accelerating observer in an "empty" flat space-time, or the thermal radiation seen by an observer in the vicinity of a black hole.

These effects lie at the boundary between classical general relativity and quantum mechanics and as such are a promising area to search for a quantum theory of gravity."