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Technical note

# Quantum correction to the photon number emission in synchrotron radiation

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## Abstract

The quantum correction to the mean *number*  $\langle N \rangle$  of photons emitted per revolution, to the order  $\hbar$ , is derived in closed form in synchrotron radiation which supplements our explicit expression obtained earlier for  $\langle N \rangle$  which was based on the classical analysis.

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