

4.8: Emission Coefficient

This is the intensity emitted per unit volume of a gas. In this definition, the word “intensity” (without being preceded by the word “specific”) is intended to mean what is meant in section 1.4. The symbol used for emission coefficient is j , and the SI units are $\text{W sr}^{-1} \text{m}^{-3}$.

The *mass emission coefficient* j_m is the intensity per unit mass, and is related to the volume emission coefficient by $j = \rho j_m$. Not all authors are equally clear as to whether they are referring to a volume or a mass emission coefficient.

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