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Derivation of Hunt equation for suspension distribution using Shannon entropy theory

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Highlights

- The well-known Hunt equation is derived starting from the Shannon entropy.
- A new general non-linear cumulative distribution function is hypothesized.
- Entropy theory together with the Principle of Maximum Entropy (POME) reveals the underlying probability density function for Hunt equation.
- As special case using the proposed CDF in this study Rouse equation can also be derived.

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