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Systems of frequency distributions for water and environmental engineering

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**\*Highlights (for review)**

## Highlights

1. General systems of frequency distributions are presented.
2. Most frequency distributions used in environmental and water engineering can be derived from these distribution systems.
3. A new system of frequency distributions is proposed.
4. The proposed system is based on hypotheses derived from empirical data.
5. Any frequency distribution whose cumulative distribution is given in explicit form can be derived from the proposed system.

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