General Similarity Solution of the Fragmentation Kinetics Equation

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Z. Naturforsch. 59a, 309 – 315 (2004); received October 26, 2003

In this article we have discussed a new application of Lie’s similarity method on the integro-differential fragmentation equation. A wide variety of the similarity solutions of the fragmentation equation has been obtained. Some of them are compared with those obtained by other authors.

Key words: Similarity Solution; Similarity Reduction; Fragmentation Equation; Fox Function.