

Formal normal forms and formal embeddings into flows for power-log transseries

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In this work, we consider an algebra \mathcal{L} of special power-log transseries, which contains *Dulac series* of hyperbolic polycycles.

We give formal normal forms and embedding theorems for transseries in \mathcal{L} . Our algebra is the smallest algebra containing Dulac series and closed by reductions to formal normal forms.