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renormalization in quantum field theory and the - \mathcal{A} of Feynman graphs in a given QFT is the algebra of coordinates on a complex infinite dimensional Lie series, does define a Hopf Physics information

[math/0508337] faa di bruno hopf algebras - Aug 16, 2005 Faa di Bruno Hopf algebras. Authors: Hector Figueroa, Jose M. Gracia-Bondia, Joseph C. Varilly (Submitted on 17 Aug 2005) Abstract: A brief survey

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search results for g - university of st andrews - [math/0508337] and divides these contributions into the following areas: (a) Integral equations, series using semisimple complex Lie algebras Faa di Bruno biography

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center problem, abel equation and the faa di bruno - This means that the primary algebraic structure at play in Devlin's approach is actually not the shuffle algebra, but a Faa di Bruno type Hopf algebra,

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a bijection between rooted trees and fermionic - comprising important constructions in the context of Hopf algebras, Dyson Schwinger equations and of the antipode in the Connes Kreimer Hopf

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