



Ext algebra of Nichols algebras of type A_2

Xiaolan Yu, Yinhuo Zhang

(Submitted on 22 Jul 2011)

We give the full structure of the Ext algebra of a Nichols algebra of type A_2 by using the Hochschild-Serre spectral sequence. As an application, we show that the pointed Hopf algebras $u(\mathcal{D}, \mathcal{M}, \mu)$ with Dynkin diagrams of type A , D , or E , except for A_1 and $A_1 \times A_1$ with the order $N_{\{J\}} > 2$ for at least one component J , are wild.

Comments: 28 pages
 Subjects: **Quantum Algebra (math.QA)**
 MSC classes: 16E40, 16W30
 Cite as: **arXiv:1107.4437v1 [math.QA]**

Submission history

From: Xiaolan Yu [[view email](#)]
 [v1] Fri, 22 Jul 2011 07:33:41 GMT (19kb)

[Which authors of this paper are endorsers?](#)

Link back to: [arXiv](#), [form interface](#), [contact](#).

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math.QA

< [prev](#) | [next](#) >

[new](#) | [recent](#) | [1107](#)

Change to browse by:

[math](#)

References & Citations

- [NASA ADS](#)

Bookmark (what is this?)

