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(\mathfrak{sl}\_2)\$

Paul Terwilliger

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Comments:misprint in Lemma 7.1 is correctedSubjects:Quantum Algebra (math.QA); Rings and Algebras (math.RA)MSC classes:33D80, 33D45Journal reference:SIGMA 7 (2011), 099, 26 pagesDOI:10.3842/SIGMA.2011.099Cite as:arXiv:1107.3544 [math.QA]<br/>(or arXiv:1107.3544v3 [math.QA] for this version)

describe the injection using the equitable presentation of \$U\_q(\mathfrak{sl}\_2)\$

The Universal Askey-Wilson Algebra and

Around 1992 A. Zhedanov introduced the Askey-Wilson algebra AW(3). Recently we introduced a central extension \$\Delta\$ of AW(3) called the universal Askey-Wilson algebra. In this paper we

discuss a connection between \$\Delta\$ and the quantum algebra \$U\_q(\mathfrak{sI}\_2)\$. Our main

result is an algebra injection from  $\Delta = 100 \, \text{m}^{100} \, \text{m}^{100}$ 

the Equitable Presentation of \$U\_q

(Submitted on 18 Jul 2011 (v1), last revised 16 Mar 2012 (this version, v3))

## Submission history

From: Paul Terwilliger [view email] [v1] Mon, 18 Jul 2011 19:51:03 GMT (58kb) [v2] Tue, 25 Oct 2011 05:12:28 GMT (28kb) [v3] Fri, 16 Mar 2012 11:11:37 GMT (28kb)

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