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(Submitted on 11 Jul 2011)

Let \$\Lambda=\Bbb Z[t,t^{-1}]\$ be the ring of Laurent polynomials over \$\Bbb Z\$. We classify all \$\Lambda\$-modules \$M\$ with \$|M|=p^n\$, where \$p\$ is a primes and \$n\le 4\$. Consequently, we have a classification of Alexander quandles of order  $p^n$  for  $n\ 4$ .

Comments:	24 pages
Subjects:	<b>Rings and Algebras (math.RA)</b> ; Algebraic Topology (math.AT)
MSC classes:	16S34, 20K01, 57M27
Cite as:	arXiv:1107.2076v1 [math.RA]

## Submission history

From: Xiang-dong Hou [view email] [v1] Mon, 11 Jul 2011 17:24:44 GMT (51kb)

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