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*Classification on irreducible representations of the quantum Weyl algebra at roots of unity given by matrices.* Preliminary report.

To describe the representation theory of the quantum Weyl algebra at an  $l$ th primitive root  $\gamma$  of unity, Boyette, Leyk, Plunkett, Sipe, and Talley found all nonsingular irreducible matrix solutions to the equation  $yx - \gamma xy = 1$ , assuming  $yx \neq xy$ . We complete their result by finding all irreducible matrix solutions  $(X, Y)$ , where  $X$  is singular. All irreducible solutions, singular or nonsingular, are classified up to equivalence. (Received September 25, 2012)