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University at Buffalo, SUNY, Buffalo, NY 14260. *On quantum matrix algebras.*

The quantum matrix algebras of Faddeev-Reshetikhin-Takhtajan and Dipper-Donkin are realized geometrically by using double partial flag varieties. The relation of the construction with that of De Concini, Kac, and Procesi will be discussed. (Received August 26, 2012)