1116-05-344   **Mark S. MacLean*** (`macleanm@seattleu.edu`), Dept. of Mathematics, Seattle University, Seattle, WA 98122, and **Stefko Miklavic**. *Bipartite distance-regular graphs with exactly two irreducible T-modules with endpoint 2.*

The *Terwilliger algebra* has been used to classify certain types of distance-regular graphs, such as the bipartite Q-polynomial distance-regular graphs of large diameter. Let Γ denote a bipartite distance-regular graph with vertex set X, diameter $D \geq 4$ and valency $k \geq 3$. For $x \in X$ let $T(x)$ denote the Terwilliger algebra of Γ with respect to x. In 2000, B. Curtin showed that Γ has exactly one irreducible module for $T(x)$ of endpoint 2, and this module is thin, precisely when Γ satisfies a certain combinatorial condition. We extend Curtin's result by proving that Γ has exactly *two* irreducible modules for $T(x)$ of endpoint 2, and both are thin, precisely when Γ satisfies a related combinatorial condition. (Received August 26, 2015)