

## THE SPECTRAL RADII ON UNIFORM TRICYCLIC HYPERGRAPHS

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*Abstract.* A connected  $k$ -uniform hypergraph with  $n$  vertices and  $m$  edges is called tricyclic hypergraphs if  $n = m(k - 1) - 3 + 1$ . Let  $\mathbb{T}^m$  be the set of all connected tricyclic  $k$ -uniform hypergraphs with  $m$  edges, where  $m \geq 2$ . In this paper, the extremal hypergraphs with the first seven largest spectral radius in  $\mathbb{T}^m$  are characterized for  $m > 20$ .

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