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**Christopher Michael Schwanke\*** ([cmschwan@olemiss.edu](mailto:cmschwan@olemiss.edu)), University of Mississippi, Department of Mathematics, University, MS 38677, and **Gerard Buskes**. *Stolarsky Means and Fremlin Tensor Products*.

Using functional calculus, we introduce completions of Archimedean vector lattices with respect to continuous, real-valued functions on  $\mathbb{R}^n$  that are positively homogeneous. Examples include the widely-studied Stolarsky and Gini means. By completing the Fremlin tensor product of real Archimedean vector lattices with respect to a particular Stolarsky mean, we prove the existence of a Fremlin tensor product for complex Archimedean vector lattices. (Received September 15, 2014)