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Jonathan Comes, Dept. of Mathematics, University of Oregon, Eugene, OR 97403, and
Jonathan Kujawa*, Dept. of Mathematics, University of Oklahoma, Norman, OK 73019. *Ideals
and traces in Deligne's category $Rep(S_t)$.*

In 2007 Deligne combinatorially defined a category $Rep(S_t)$ for any complex number t . These categories interpolate between the representations of the symmetric groups in that when t is a positive integer you can recover the complex representations of the symmetric group S_t from his category. We'll present from scratch Deligne's delightful construction and present some new results about these categories. This work is joint with J. Comes. (Received January 16, 2013)