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the simple modules for \$FS_n\$ are generated by reductions modulo \$p\$ of the corresponding Jucys-Murphy idempotents. Comments: Published version Algebras and Representation Theory 2012

Young's seminormal form and simple

(Submitted on 15 Jul 2011 (v1), last revised 5 Sep 2012 (this version, v3))

modules for \$S_n\$ in characteristic \$p\$

We realize the integral Specht modules for the symmetric group \$S_n\$ as induced modules from the

subalgebra of the group algebra generated by the Jucys-Murphy elements. We deduce from this that

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