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Paul Mezo* (mezo@math.carleton.ca). *Character identities in twisted endoscopy.*

The Local Langlands Correspondence motivates the definition of endoscopic groups attached to a reductive algebraic group. The representations of these endoscopic groups are conjecturally related to the representations of the initial reductive group through character identities. Such character identities have been proven in the case of real reductive groups. We outline the proof of twisted character identities, when an automorphism of the real reductive group is introduced into the theory. (Received June 10, 2011)