

Andrews-Gordon type companions for Capparelli's identity, and the Kanade-Russell conjectures

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After Rogers-Ramanujan identities, one of the most curious identities in integer partition theory is Capparelli's identity. We will give some preliminaries and historical background, then present an Andrews-Gordon type companion for Capparelli's identity. If time permits, we will talk about the Kanade-Russell conjectures, which are inspired by Capparelli's identity. This is the preliminary report of an ongoing work.