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*New identities of Rogers-Ramanujan-MacMahon type.*

I will report on an ongoing investigation joint with Debajyoti Nandi and Matthew C. Russell on experimentally finding identities of Rogers-Ramanujan type. We use a program built on certain aspects of Lepowsky-Wilson's Z-algebraic mechanism and find many new identities of Rogers-Ramanujan-MacMahon type. (Received January 20, 2019)