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Shashank Kanade* (shashank.kanade@du.edu), CO , and **Matthew C Russell**

(russell12@math.rutgers.edu). *On certain partition identities related to $A_9^{(2)}$* . Preliminary report.

I will give an overview of the partition identities related to certain level 2 standard modules for the affine Lie algebra $A_9^{(2)}$ that were found in a joint work with Matthew C. Russell. Ideas related to these identities (staircases and jagged partitions) lead us to analytic sum-sides and further companions to several other identities. Many of these identities have been proven by Bringmann, Jennings-Shaffer and Mahlburg. (Received August 30, 2019)