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Strange Expectations in Affine Weyl Groups

We extend our previous work on computing expected values of quadratic forms on coroot points in the Sommers region from simply-laced affine Weyl groups to all affine Weyl groups. In type A, our uniform formula recovers Drew Armstrong's conjecture for the average number of boxes in a simultaneous core. This is joint work with Marko Thiel and Eric Stucky.