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**Alisa Knizel\*** ([knizel@math.columbia.edu](mailto:knizel@math.columbia.edu)) and **Anton Dzhamay**. *Gap probabilities in  $q$ -Racah tiling model and discrete Painlevé equations*. Preliminary report.

We show that gap probabilities in the  $q$ -Racah tiling model can be computed in terms of the discrete Painlevé equation of type  $E_7^{(1)}$ . We work in the context of isomonodromy deformations and present a symmetric Lax pair for this equation. (Received September 25, 2017)