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**Susanna Spektor\*** ([sanaspek@gmail.com](mailto:sanaspek@gmail.com)), University of Alberta, Edmonton, Alberta T6G2G1, Canada. *AN ASYMPTOTICALLY SHARPFORM OF BALL'S INTEGRAL INEQUALITY*. Preliminary report.

My talk is devoted to Ball's integral inequality. First, I outline the proof of the inequality via spline functions. Then, I provide a method for computing all terms in the asymptotic expansion of the integral in the Ball's inequality. Also, I indicate how to derive an asymptotically sharp form of a generalized Ball's integral inequality. (Received August 27, 2013)