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**Benjamin Sepanski\*** (ben\_sepanski@baylor.edu), 841 Eagles Nest Dr., Hewitt, TX 76643, and **Jeske Glenn, Chris O'Neill** and **Vadim Ponomarenko**. *Augmented Hilbert series of numerical semigroups*.

Several new explicit formulas for certain augmented Hilbert Series measuring maximal and minimal factorization lengths for all numerical semigroups are presented. A weighted type of Euler characteristic of an associated simplicial complex is a key element of some of these formulas. (Received September 15, 2017)