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Alexander Burstein* (aburstein@howard.edu), Department of Mathematics, Howard University, Washington, DC 20059. *Unimodal inversion sequences and pattern-avoiding classes*. Preliminary report.

Several separate results have shown that the class of unimodal inversion sequences and four classes of permutations avoiding certain sets of patterns have the same enumeration sequence. We give bijections between those classes, and in some cases different Lehmer codes for all permutations so that the unimodal codes correspond to the desired pattern-avoiding classes.

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