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**Coxeter-James Prize**  
**Prix Coxeter-James**

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**SABIN CAUTIS**, UBC

$$\binom{N}{k} = \binom{N}{N-k}$$

We will study this standard high-school binomial identity in greater depth. The resulting ideas, despite their humble beginnings, have led to a series of advances in diverse areas such as representation theory, algebraic geometry and quantum topology. We survey some of these results and explain how they are all tied together.