

Polyhedral Computations  
October, 17–20, 2006

## Constructive Enumeration without Isomorphs

Brendan D. McKay  
bdm@cs.anu.edu.au  
*Department of Computer Science*  
*Australian National University*  
*Canberra, ACT, 0200*  
*AUSTRALIA*

### **Abstract**

We consider the problem of generating classes of combinatorial objects without isomorphic objects appearing. Emphasis will be on the method of canonical augmentation. Examples will be given from graph theory, and 3-dimensional polytopes without faces of size 3.