

1014-N1-1055      **Gavin W. Taylor\*** ([gvtaylor@davidson.edu](mailto:gvtaylor@davidson.edu)), Davidson College, Box 6838, Davidson, NC  
28035. *Imagemosaics: Painting with Pictures.*

A large number of small photographs can be arranged in such a manner as to seem to form a larger photograph to the human eye, creating an effect similar to pointillist art. Naturally, this is a very complicated job best left to mathematics and computers. The technique of integer programming can be used to create an image from a large bank of pictures. The integer programming problem is described in detail, and the advantages and problems with the method discussed. (Received September 27, 2005)