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Dancing Deformations.

The performance art of dance employs symmetry in a variety of ways. Often choreographers blur the lines between symmetries or seamlessly morph from one symmetry type to another. This may be seen to be similar to parquet deformations, visual images by artists such as M.C. Escher, in which one tiling is deformed seamlessly into another. We look at ways linear or frieze symmetries, common in folk dance and other forms, and planar or wallpaper symmetries used in a variety of dance forms may be switched from one to another in time, with particular attention to the Klein four group. The sequences through danced wallpaper symmetries might make for entertaining mathematical flash mob dances. (Received September 11, 2014)