

Eratta –  
Statistics on Manifolds with Applications to  
Modeling Shape Deformations

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Last updated: 05/13/2015

## 1 Errors and Corrections

1. p. 35: “Definition 2.3.12 (SPD). The SPD group, is given by Eqn. (2.8).”  
Correction: SPD is a manifold, but is not a group (at least not w.r.t. the binary operation of matrix multiplication). I have no idea why I wrote it – since I was actually aware of this fact at the time of writing. . .

Date: 04/10/2014

2. p. 50: “This includes  $SO(n)$ , SPD, and many other groups.” Again, in spite of what is implied by this sentence, SPD is not a (matrix Lie) group (w.r.t. matrix multiplication).

Date: 04/10/2014

3. p. 64. Last line. “Compare Eqn. (2.76) with Eqns. (2.21), (2.62), and (2.66).” That sentence should have been “Compare Eqn. (2.77) with Eqns. (2.21), (2.62), and (2.66).”

Date: 05/13/2015