



Advanced School and Workshop on Matrix Geometries and Applications

(1 - 12 July 2013)

<http://agenda.ictp.it/smr.php?2470>

Suggested Reading

For Professor Rajendra Bhatia's course:

Riemannian Geometry of the space of Positive Definite matrices and geometric means

participants are advised to read in advance Parts of the book (especially Chapter 6)

R. Bhatia, Positive Definite Matrices, Princeton University Press, 2007.

In addition they should read Chapter 2 Riemannian Mean of Positive Matrices in the book Matrix Information Geometry available at the website

<http://www.informationgeometry.org/MIG/MIGBOOKWEB/>

Suggested reading as preparation for Professor John Holbrook's lectures on

Geometry and Spectral Variation:

R. Bhatia, "Spectral variation, normal matrices, and Finsler geometry", Mathematical Intelligencer 29 (2007), 41-46

and, for more details:

R. Bhatia, "Matrix Analysis", Springer 1997, chapter VI.1--5 and chapter VII.1--4