

Summer reading List :

Geometry/Topology

Review Lecture notes

Lee Riemannian Geometry

Bishop Geometry of manifolds

Differential Topology By Hirsch

Morse Theory by Milnor

Rui Differential Geometry

Gallot Riemannian Geometry

Differential Topology by Victor Gullimin

Probability:

Paper on Potential Theory

restudy Fundamental Probability

Durrett Probability

LeGall Brownian Motion

analysis:

1st half summer

real and complex analysis by Rudin

real analysis by Folland

Complex analysis alfors

Complex analysis by Conway

2nd half summer till the fall

Functional analysis By Conway and Rudin combined with the lecture notes

Sobolev space by adams