**chapter4.3 积分的极限定理**

(0) C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\D75AC03F.tmp  
(1) C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\7EE0F3A5.tmp  
C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\B94189FB.tmp性质:  
A 非负 B 递增 C 简单  
由定义可知  
C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\95DBB0C1.tmp

**Levi定理**

C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\E2DE7177.tmp

**Fatou引理**

C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\38C1119D.tmp

**控制收敛定理**

C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\CF3A72B3.tmp几乎处处收敛，可测，极限为C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\FB0F7239.tmp，存在非负可测C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\65D049AF.tmp使得C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\E85CEE95.tmp，则C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\5EC8726B.tmp和所有C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\3FF362B1.tmp可积，并且C:\Users\mahinmy\AppData\Local\Microsoft\Windows\INetCache\Content.MSO\2CF528E7.tmp

以这个结论可以推出函数列有界收敛必可积