**P780:**

1. **Solution:** Since



then when *k*=1, the limit is 0, when *k*=0, the limit is . By two-path test, the limit doesn’t exist.

1. **Solution:**
2. 
3. 
4. Since



then by two-path test, the limitdoesn’t exist.

1. **Solution:** Since

****

**and**



then by sandwich theorem, 

**P790：**

1. **Solution:**

****

**20.Solution:** Since, then

****

**58.Solution:** Since



then

