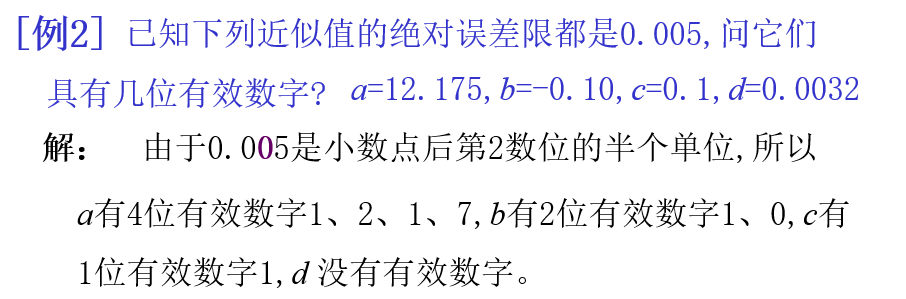
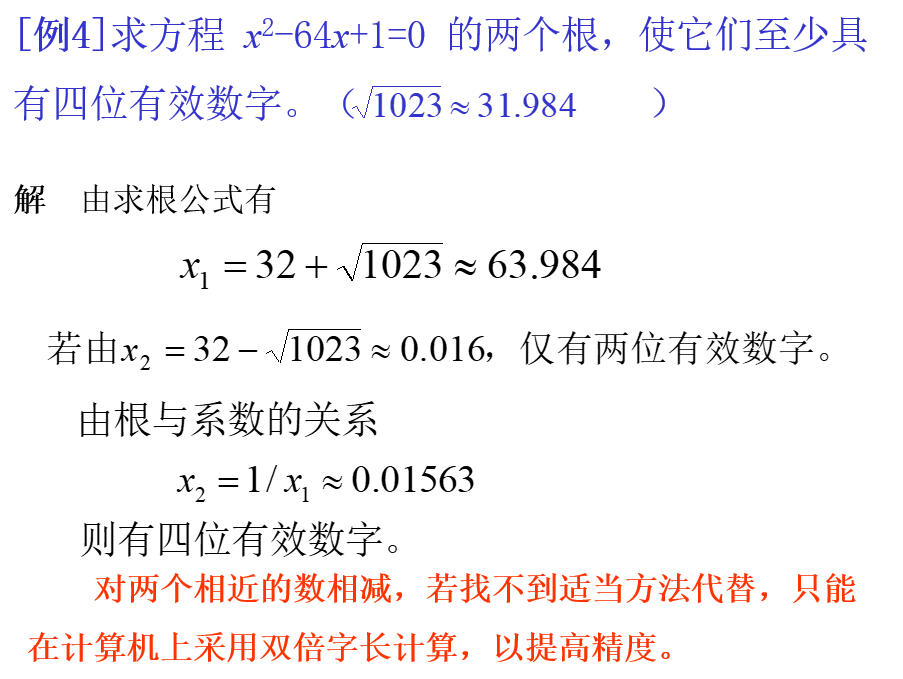
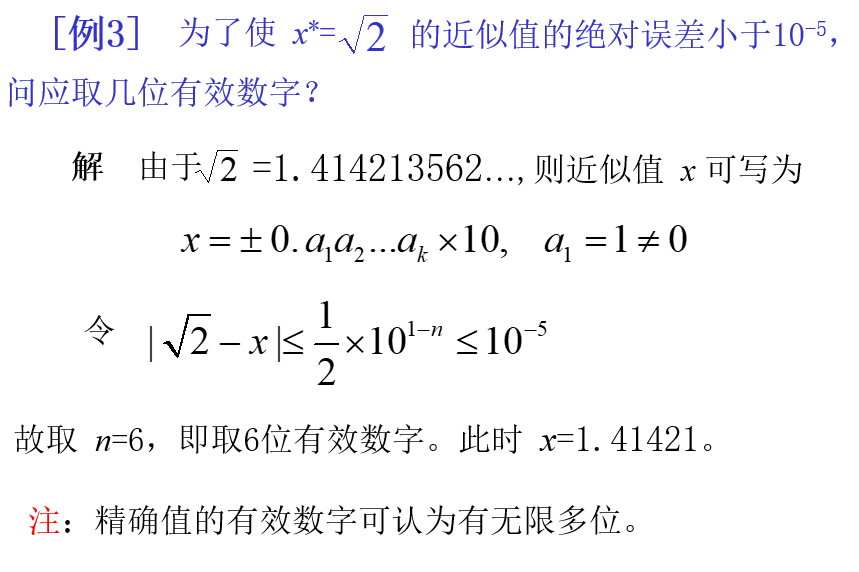
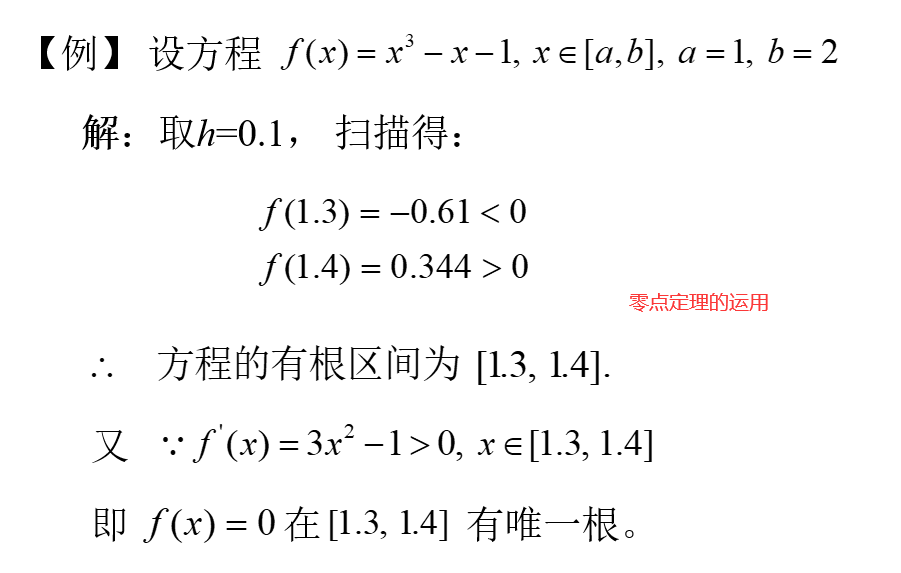
# 例题集锦

## 误差

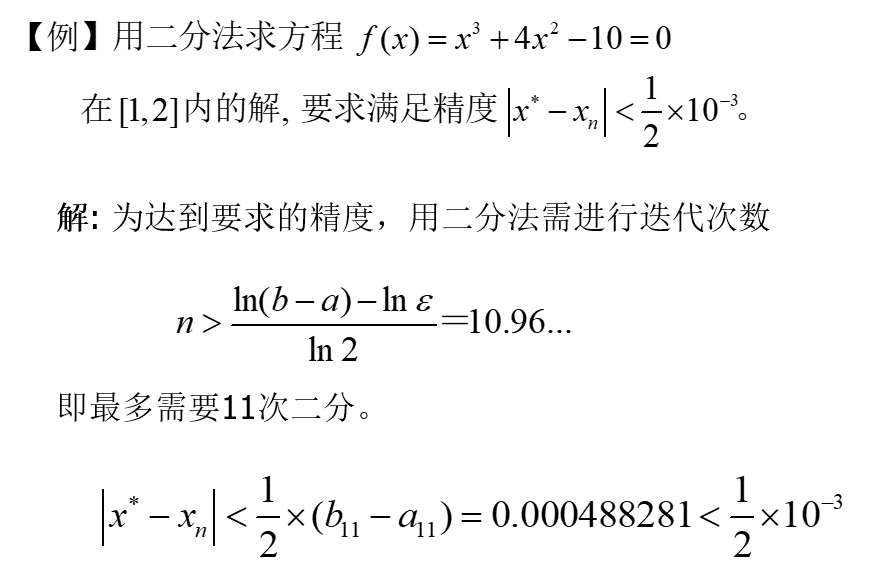
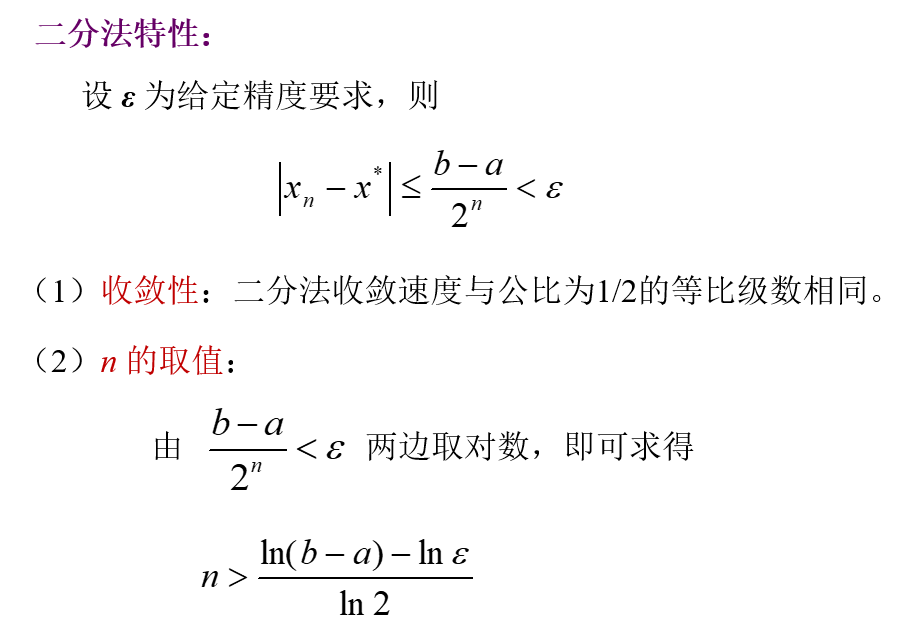




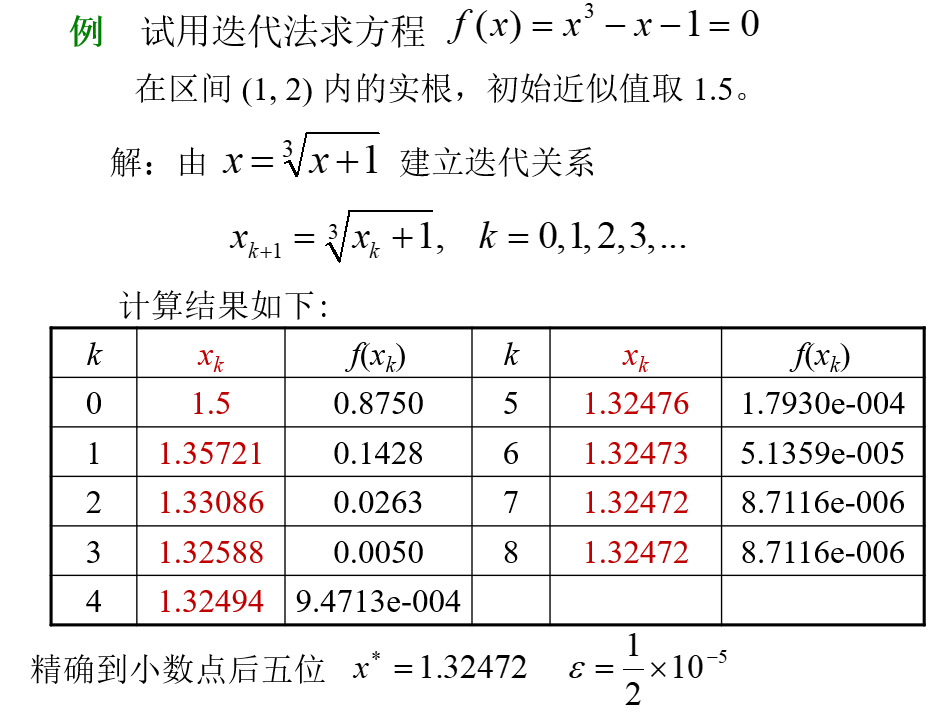
## 零点定理的运用



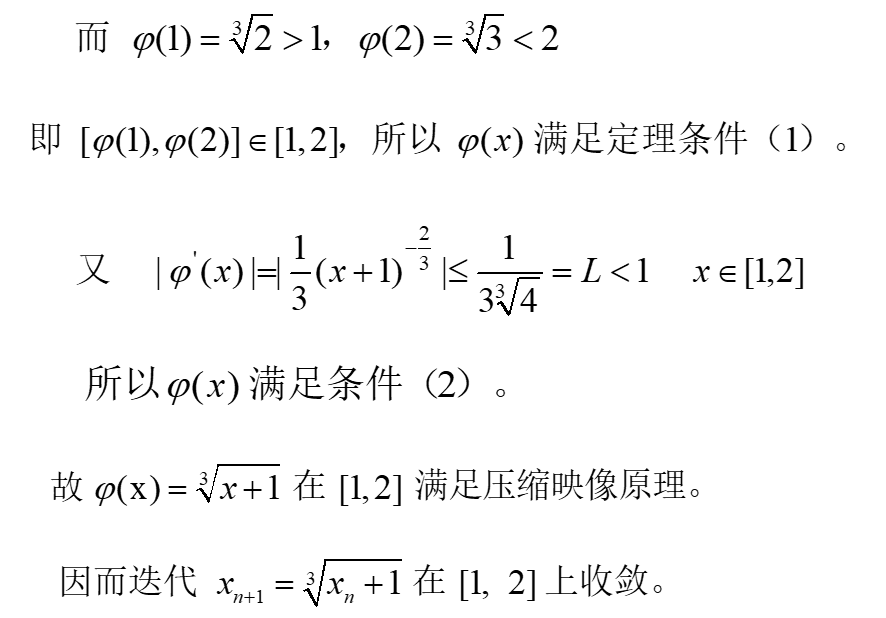
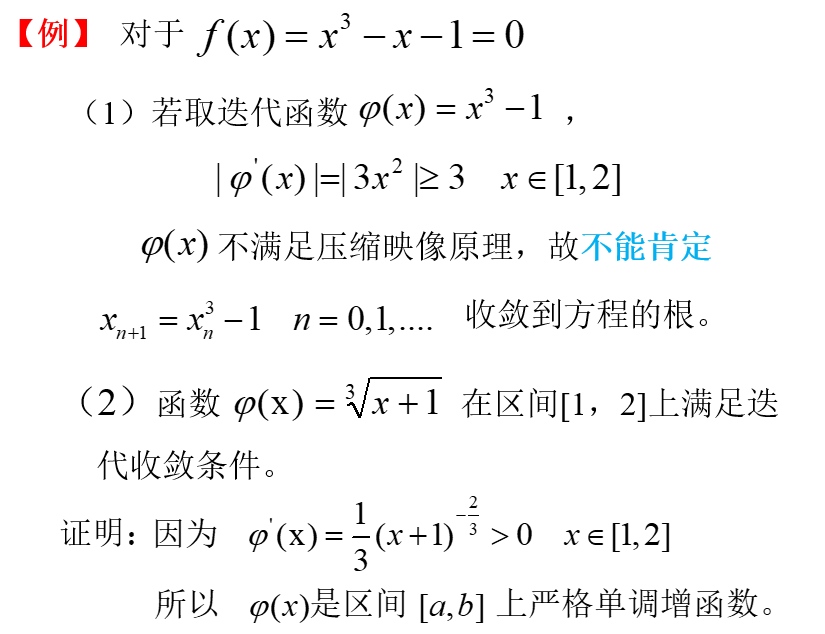
## 二分法



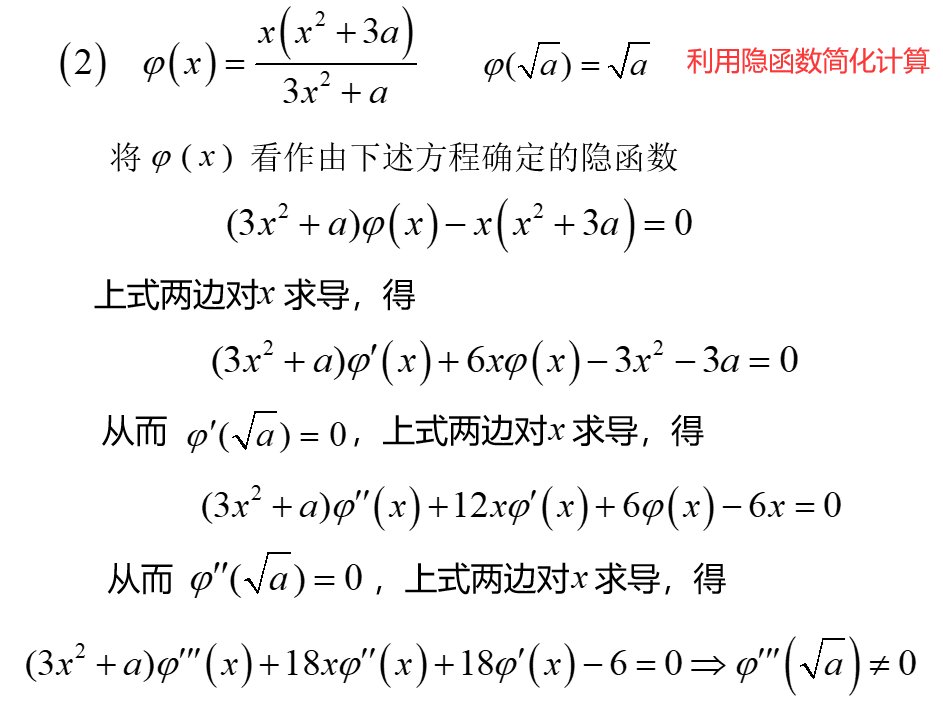
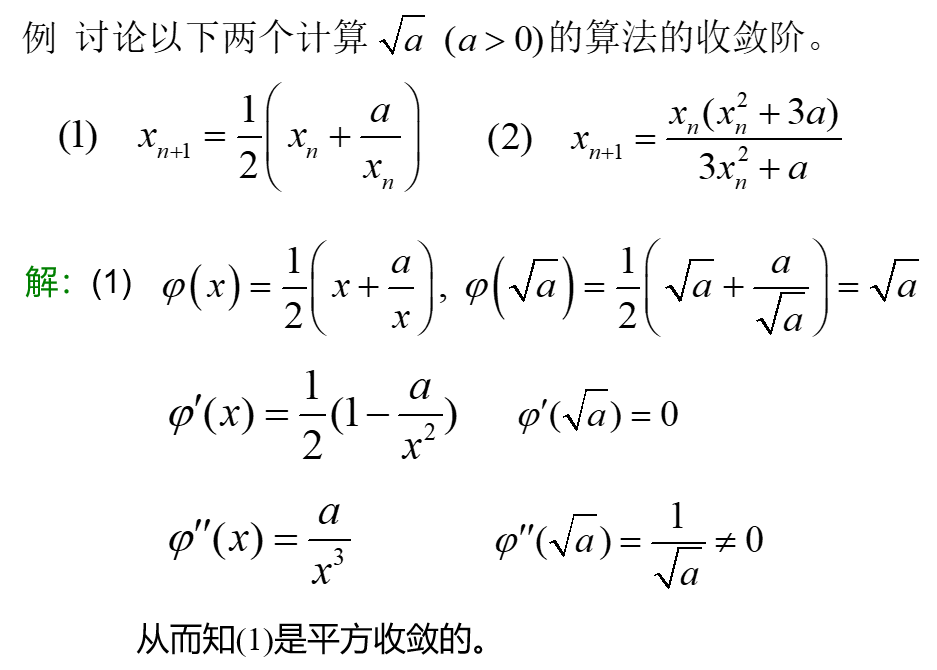
## 迭代法



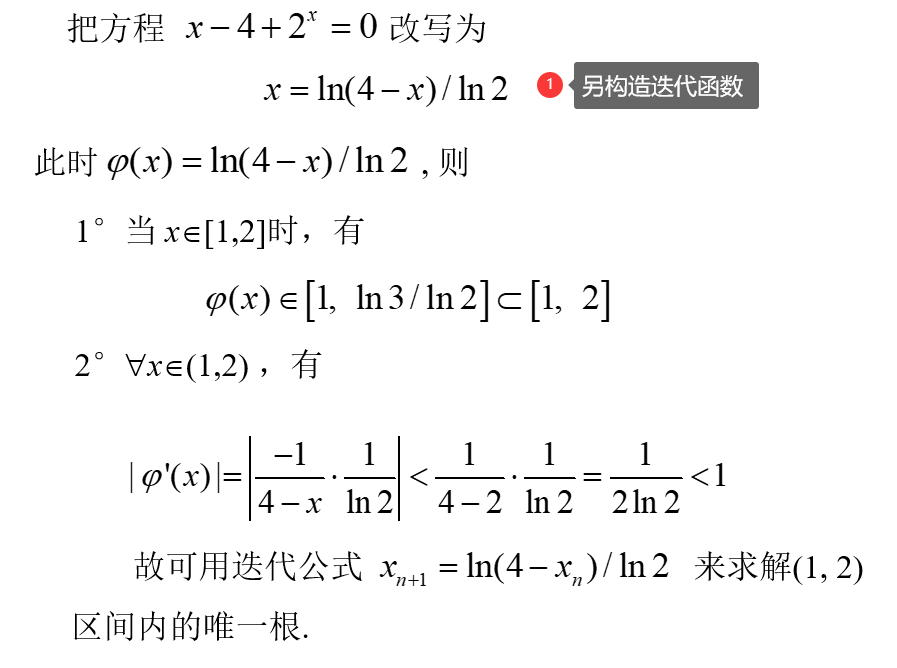
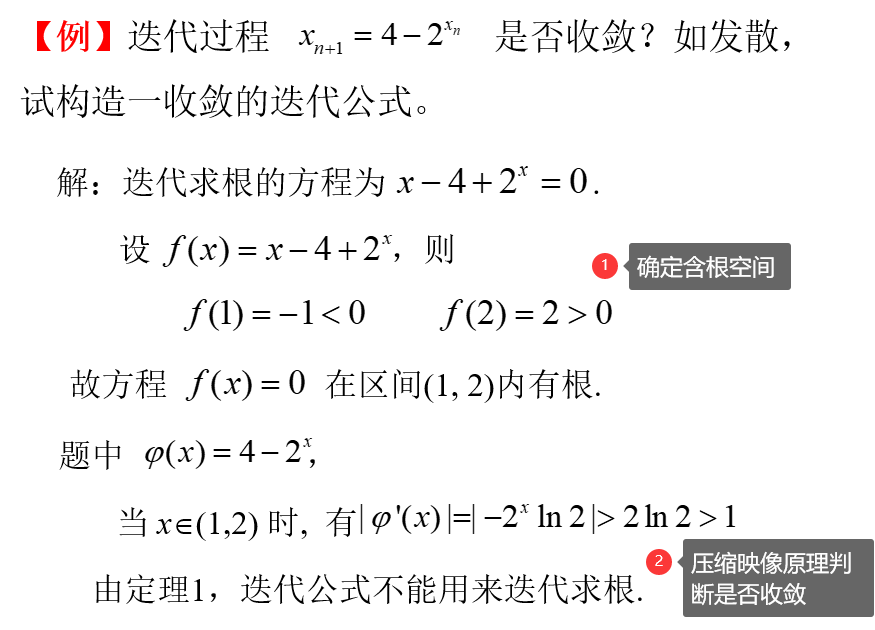
## 压缩映像原理



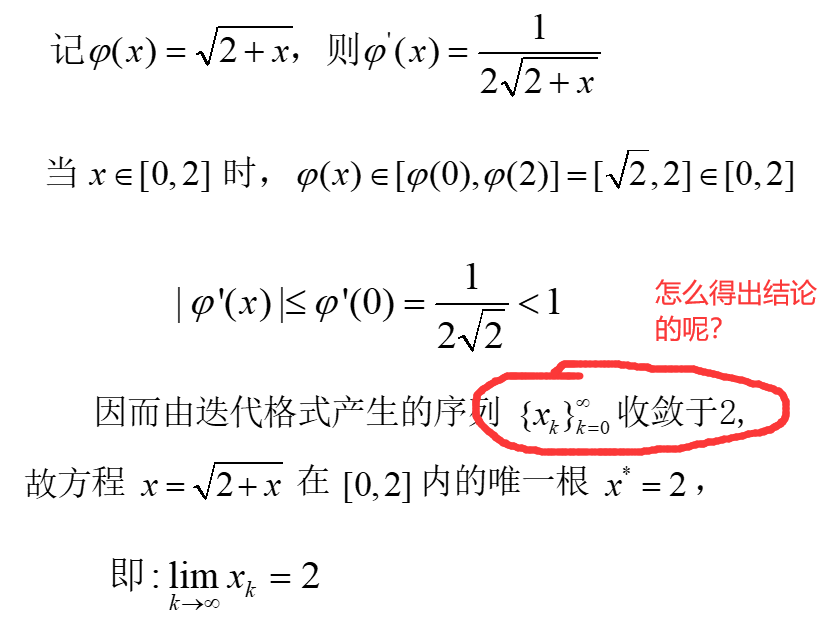
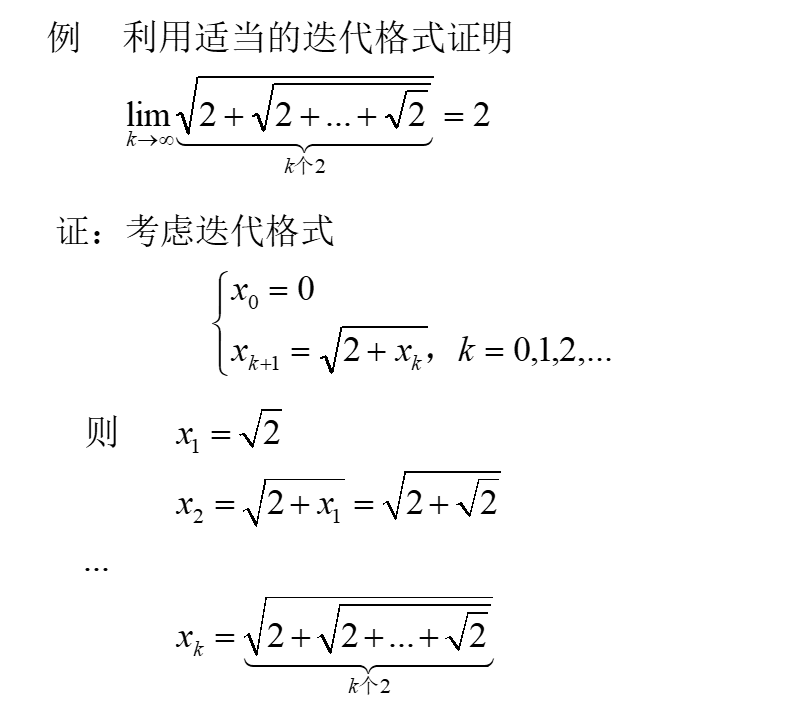
## 收敛阶的计算



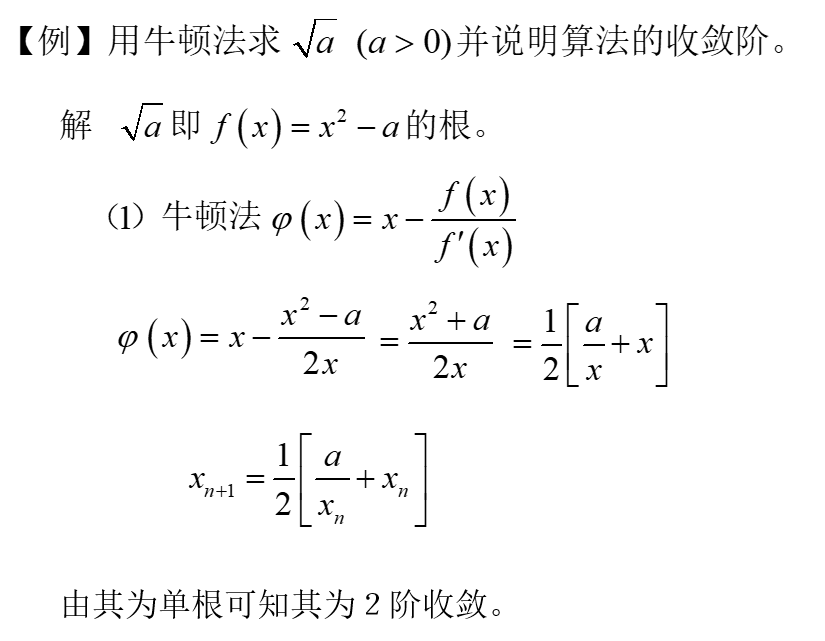
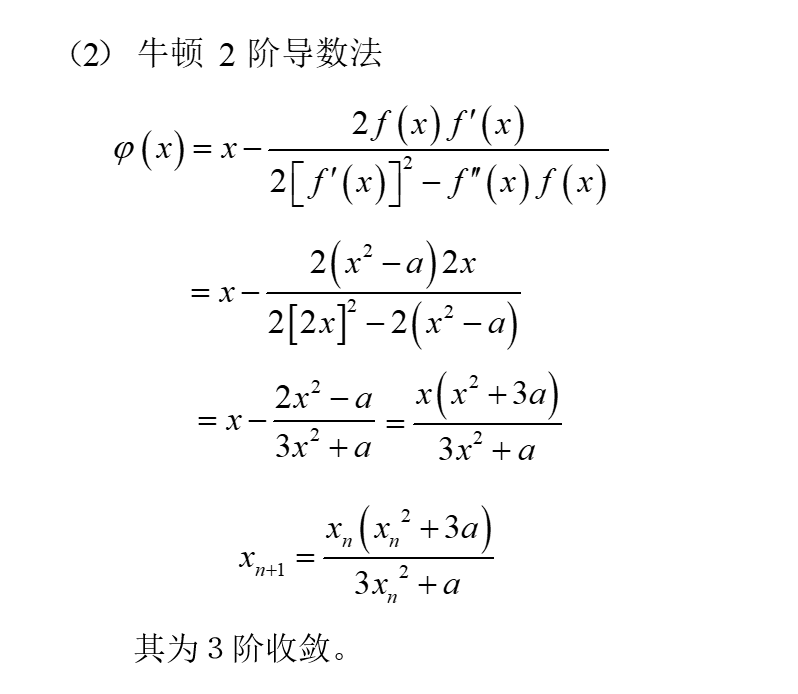
## 收敛判断与另构造



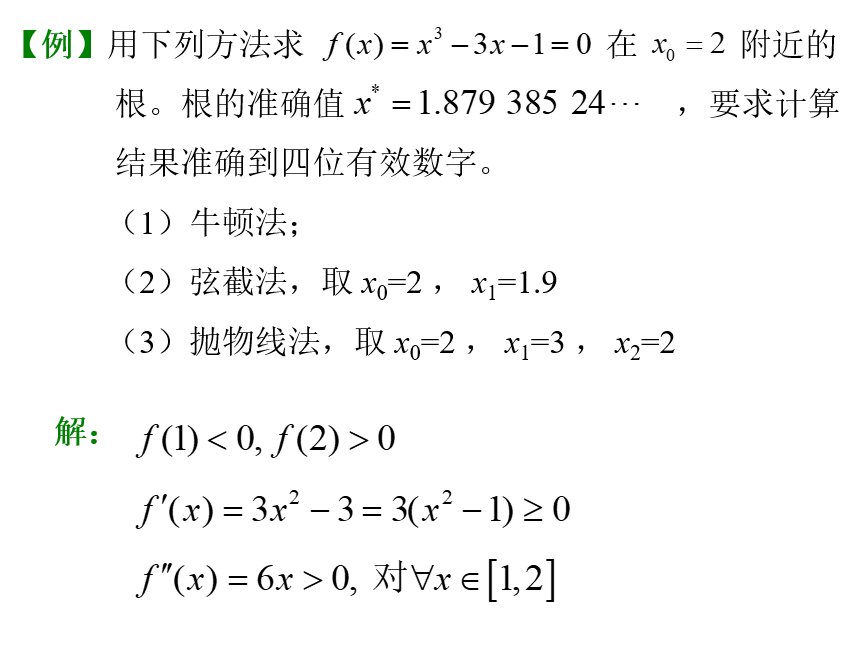
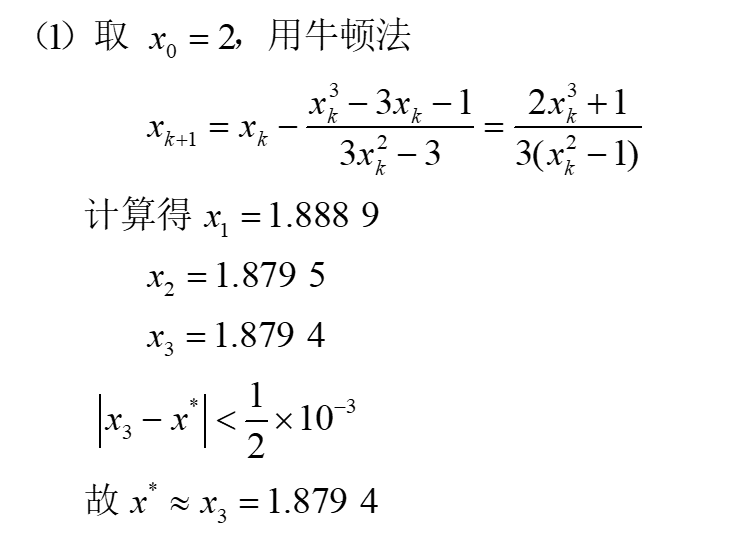
## 迭代格式证明

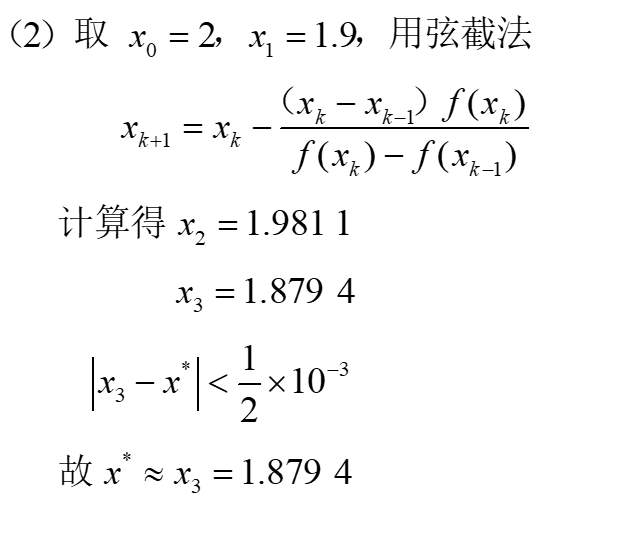
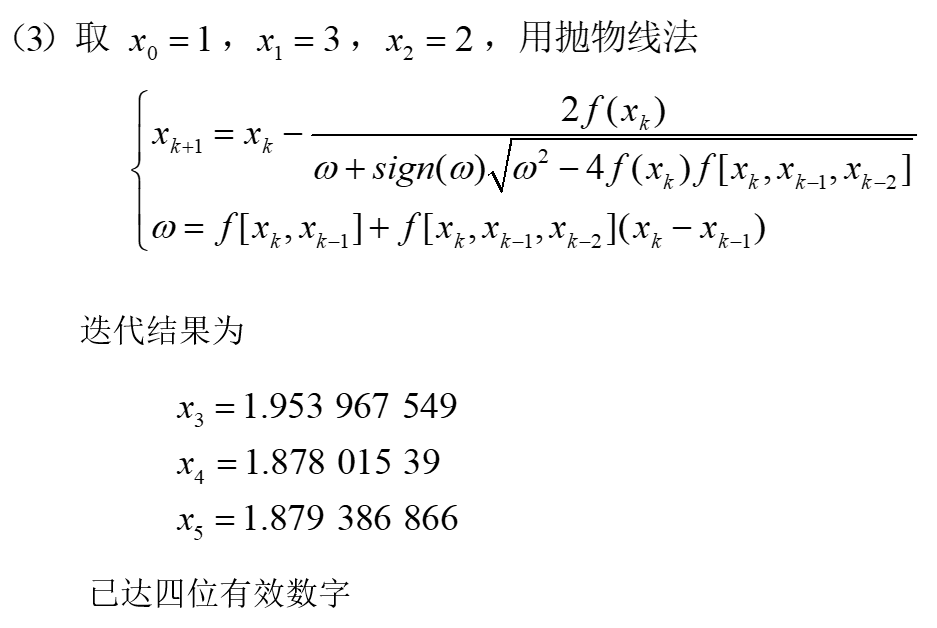


## 牛顿（2阶导数）迭代法使用

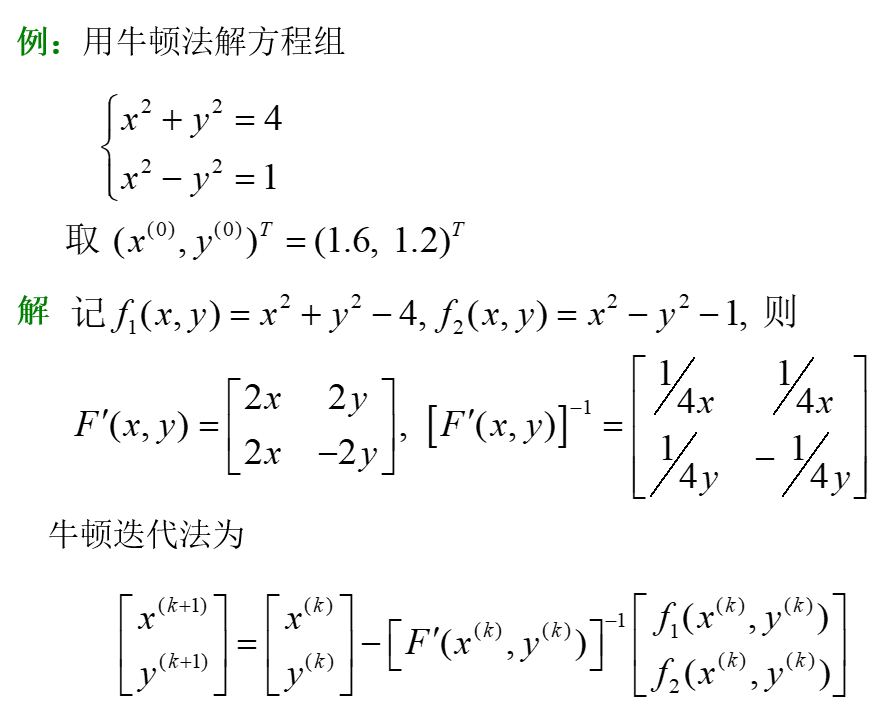
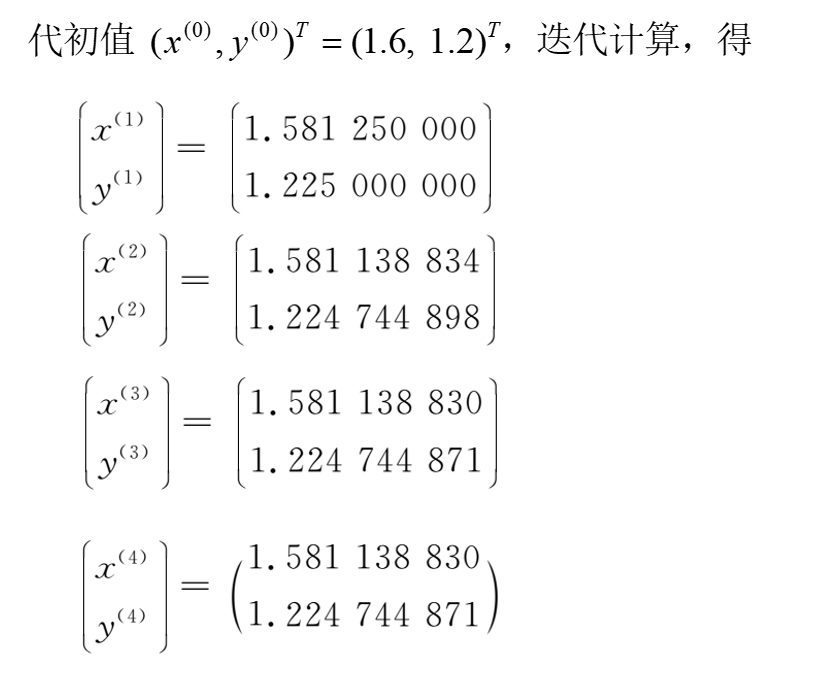
 

## 🔺牛顿法+割线法+抛物线法

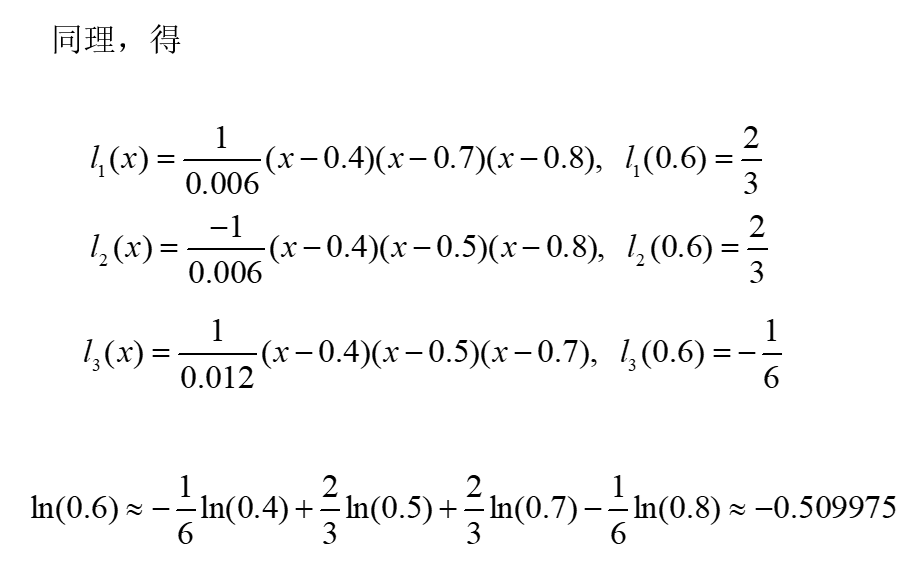
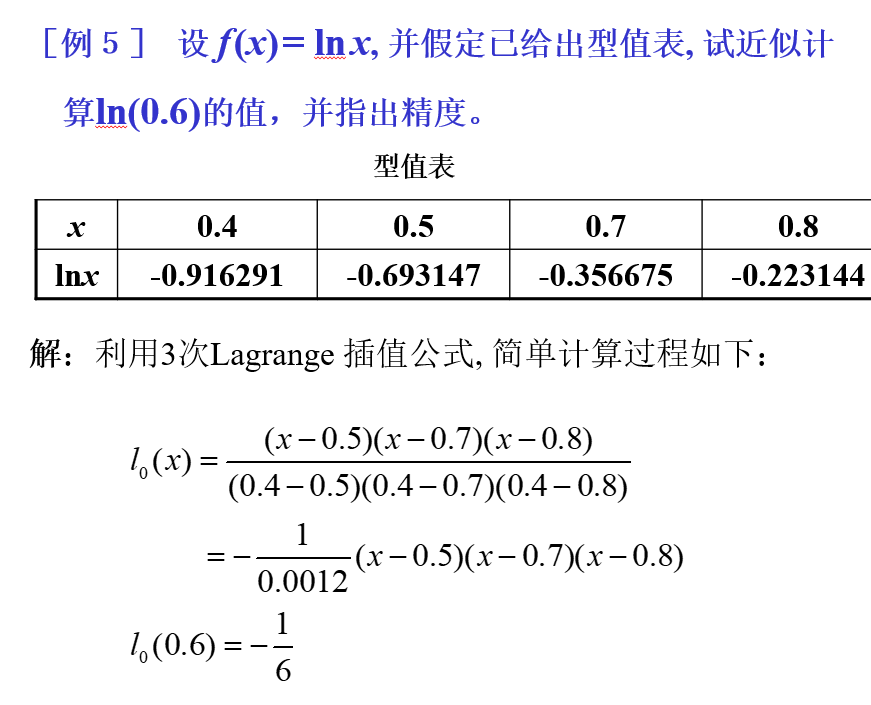
 

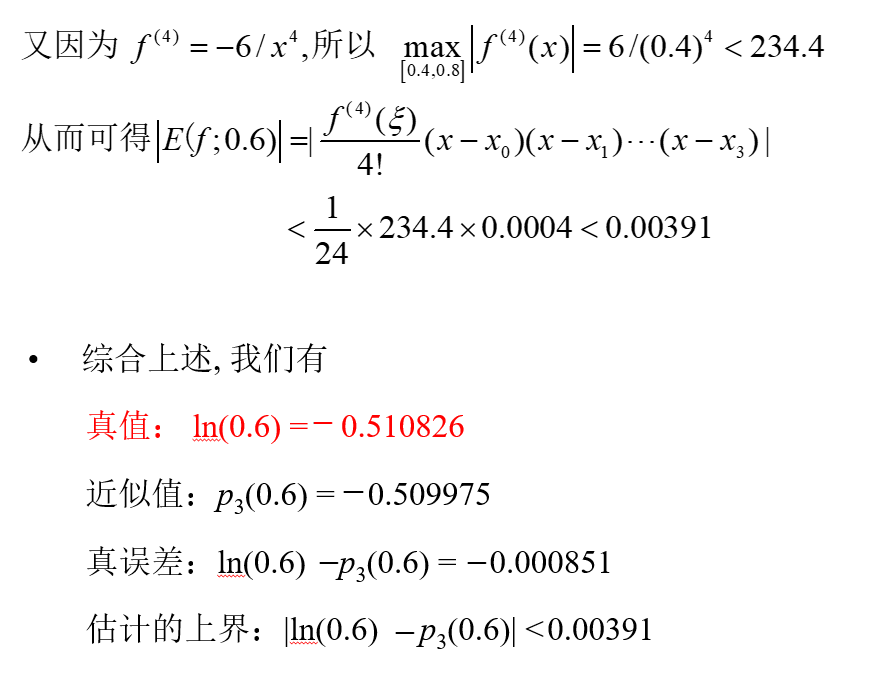
 

## 牛顿迭代法求解方程组

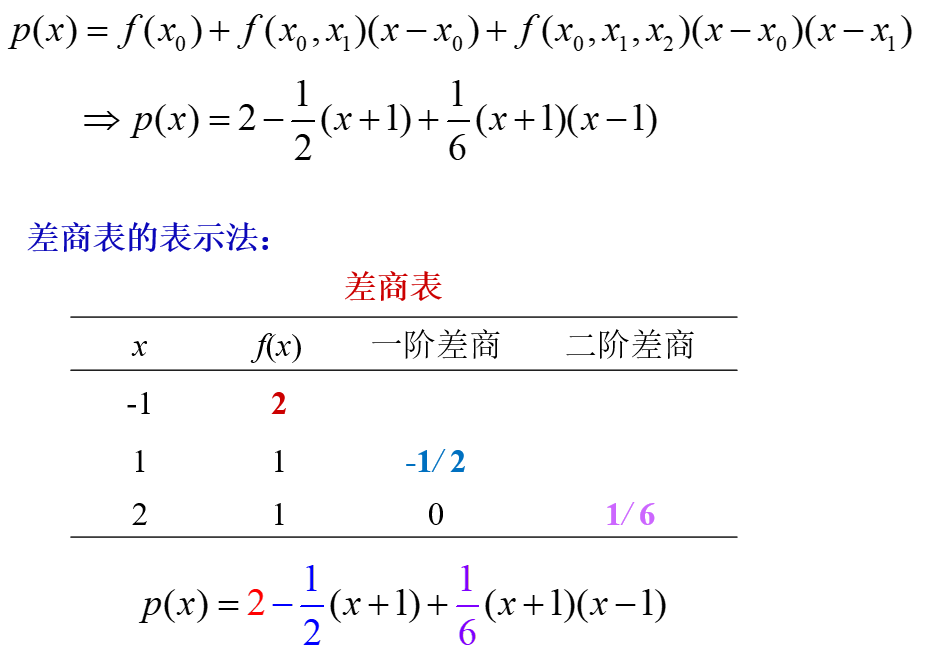
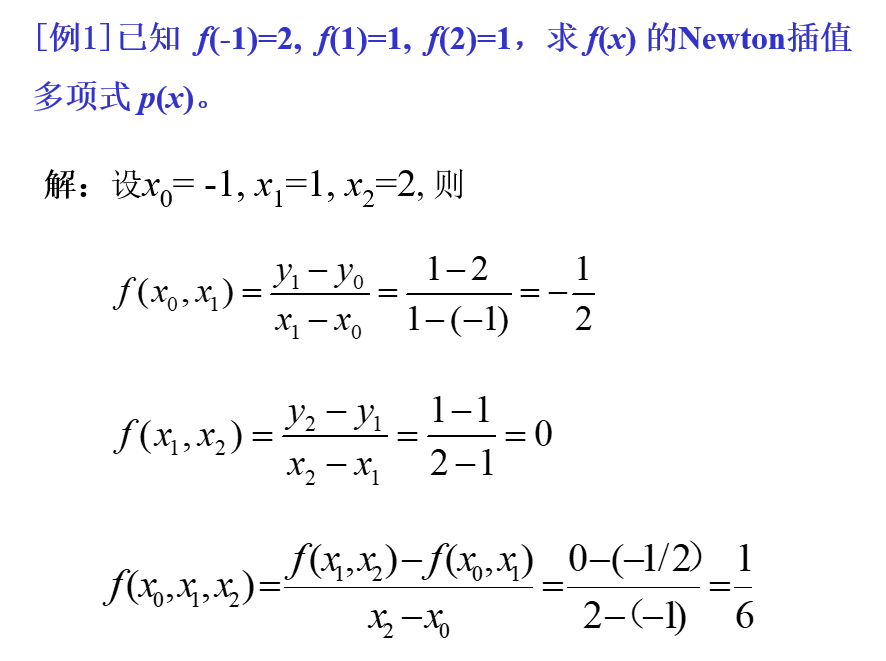
 

## 🔺Lagrange插值法

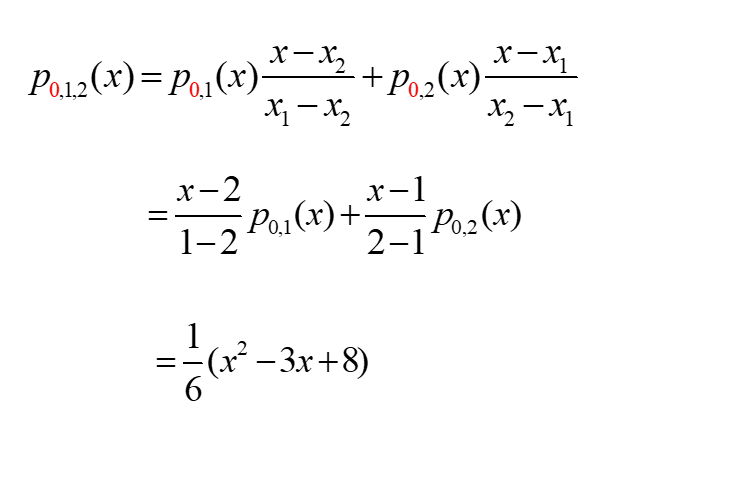
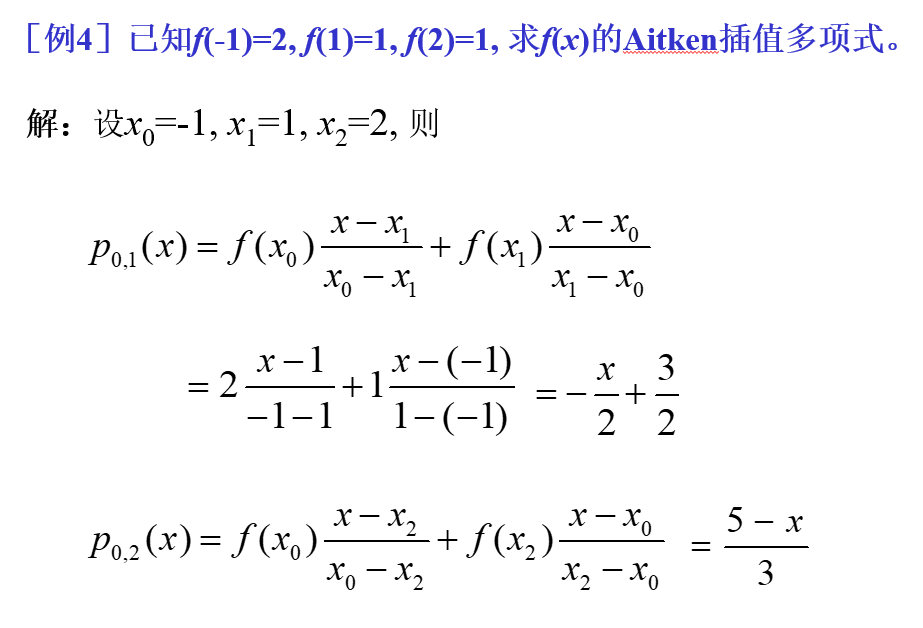




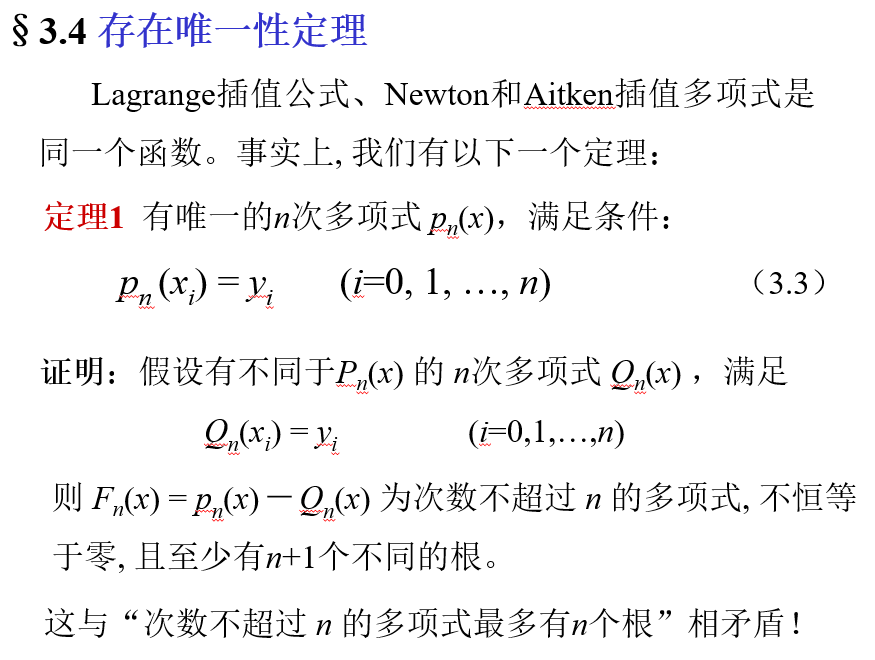
## Newton插值法



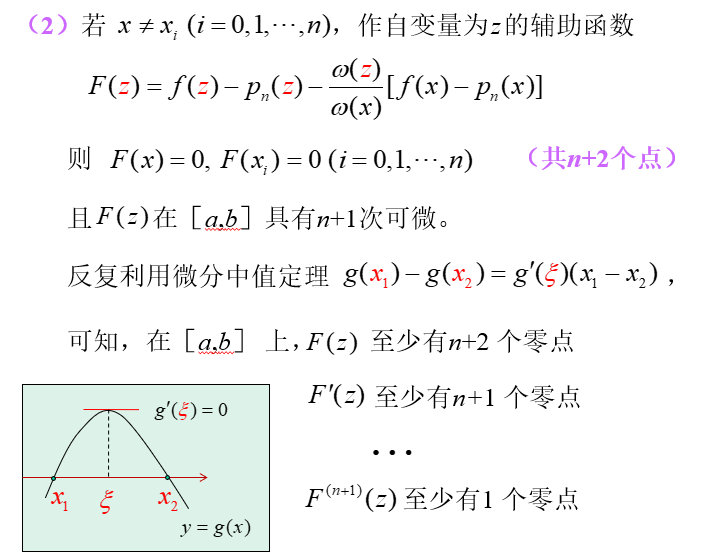
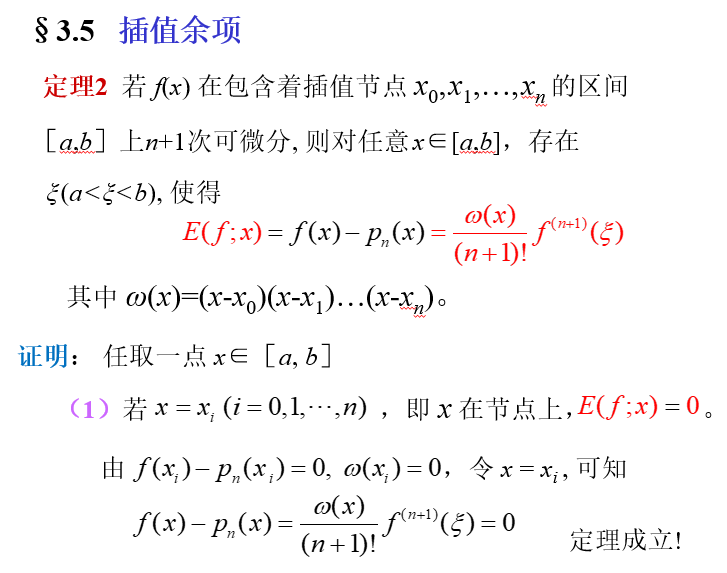
## Aitken插值

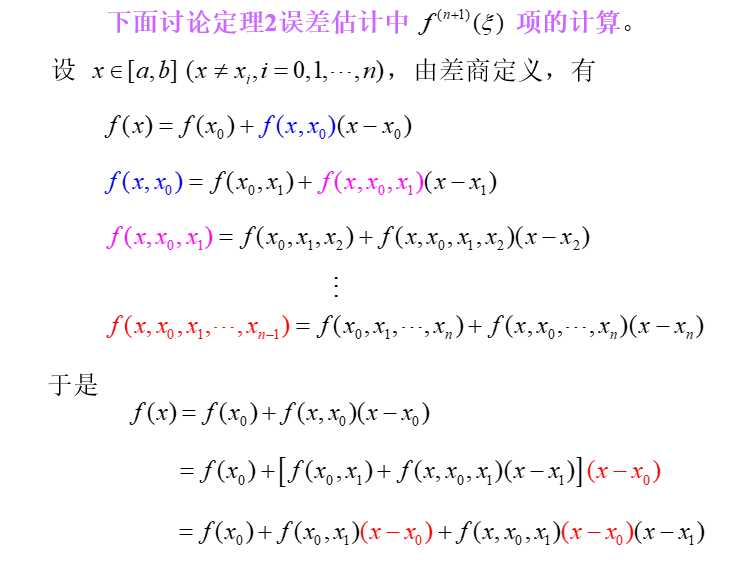
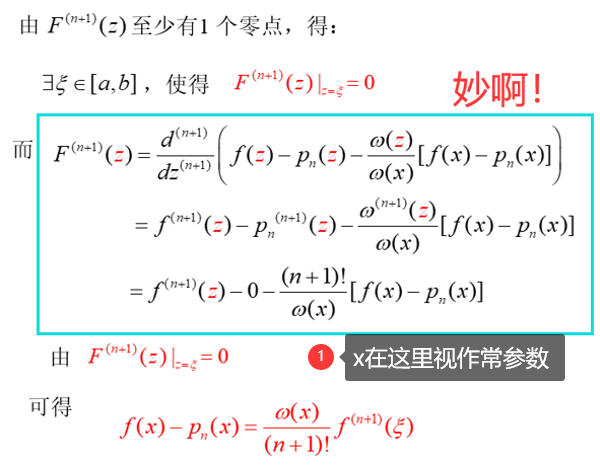


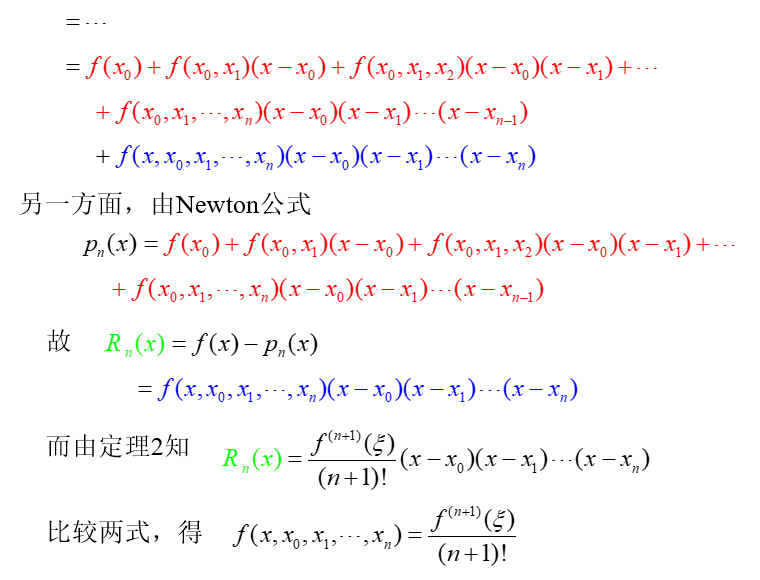
## 存在唯一性定理的证明



## 🔺插值余项相关证明

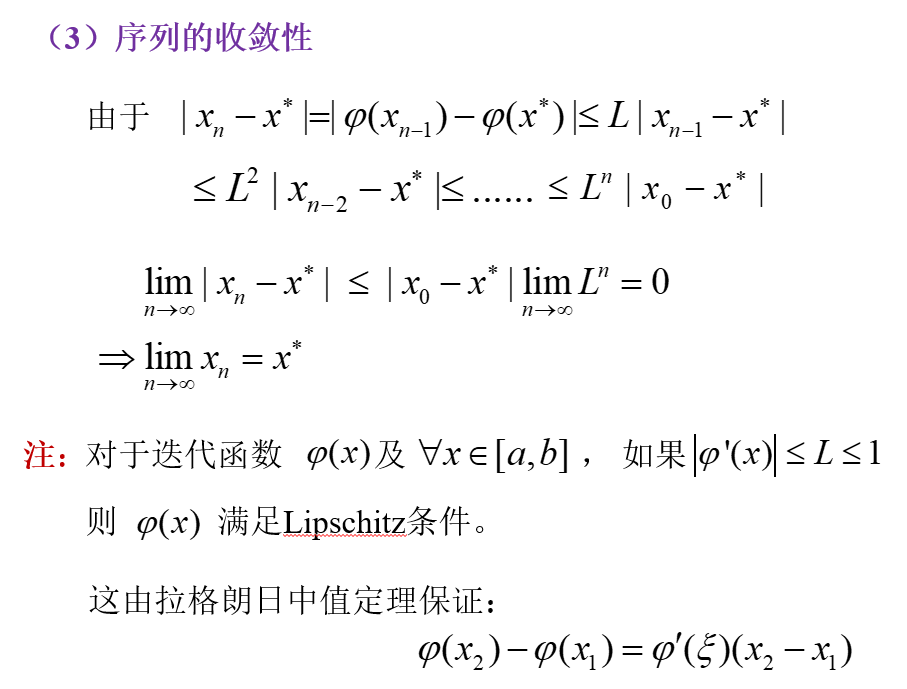
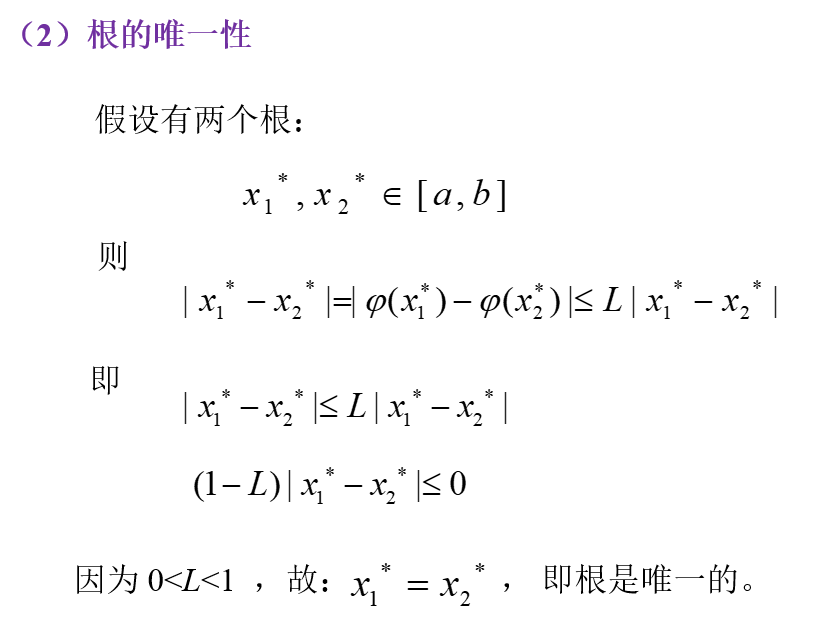
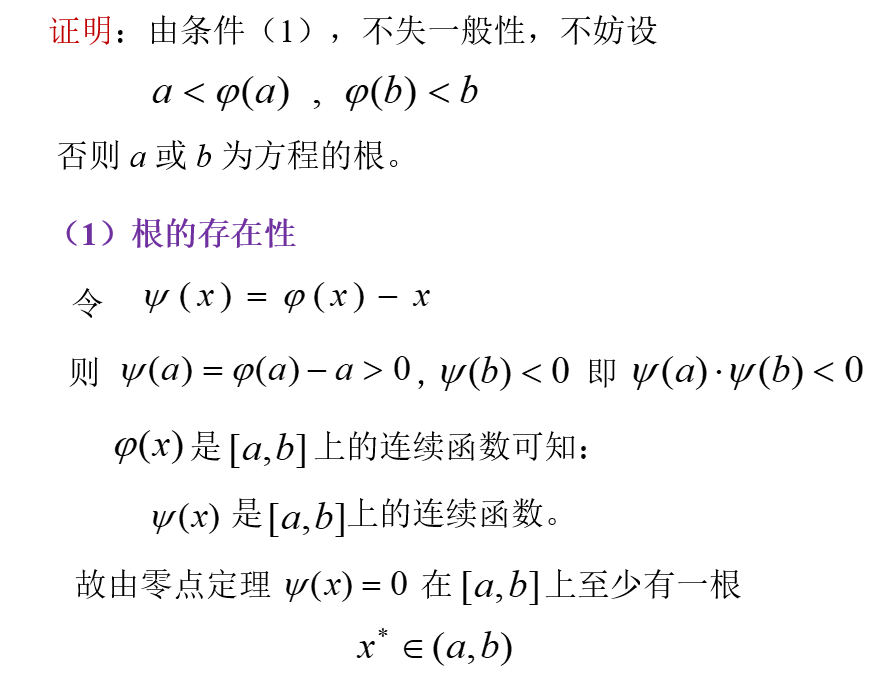




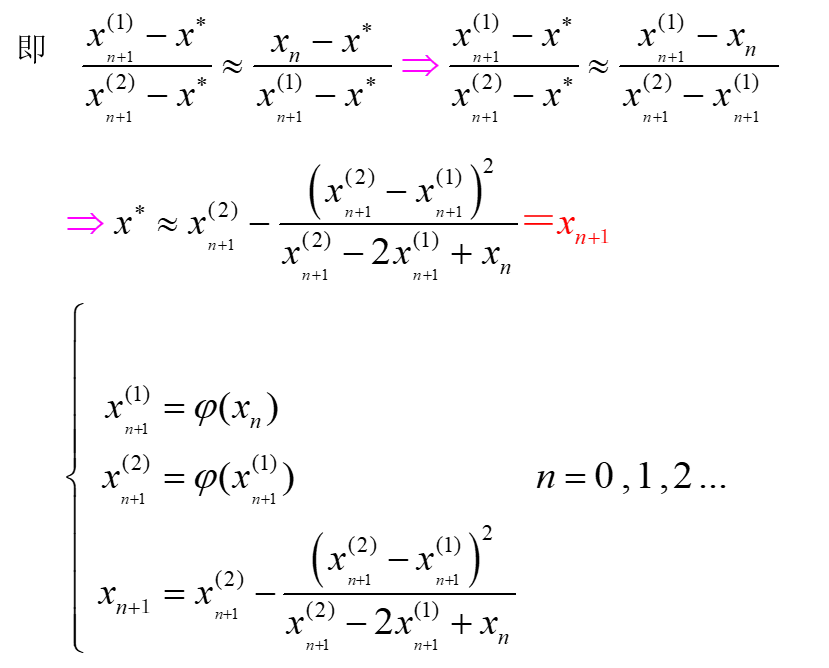
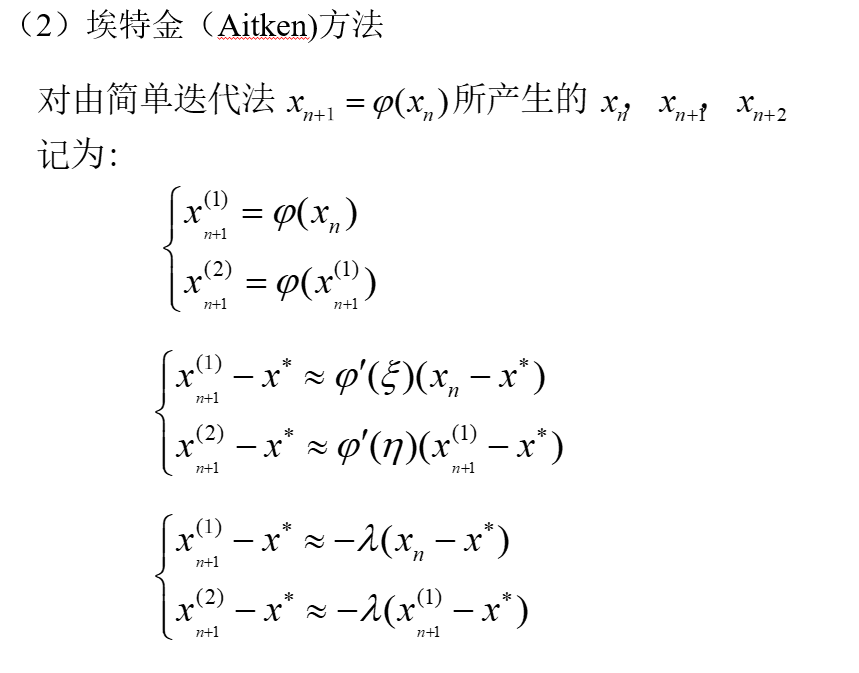


# 感觉很重要但是没来得及看的

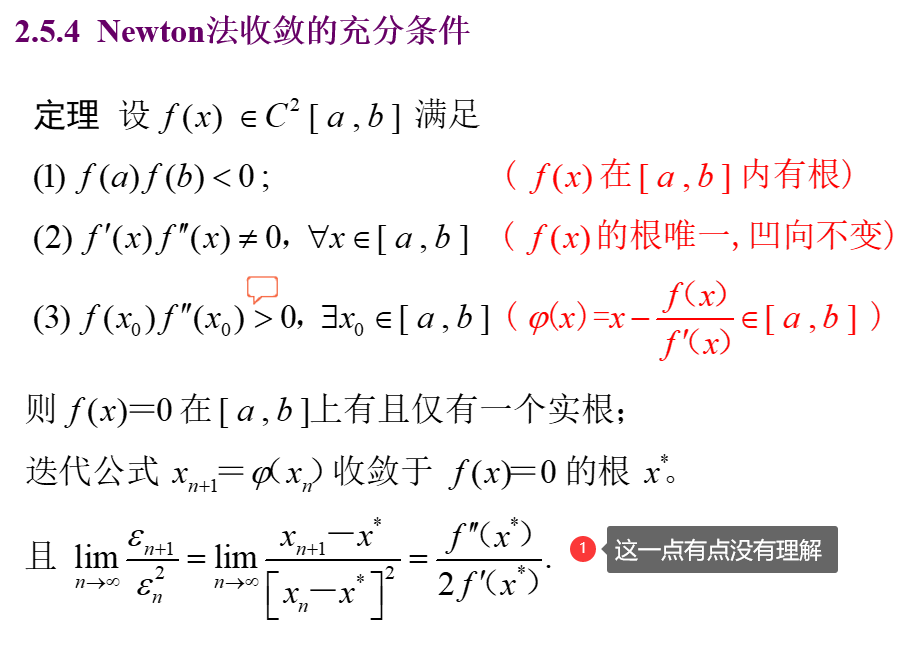
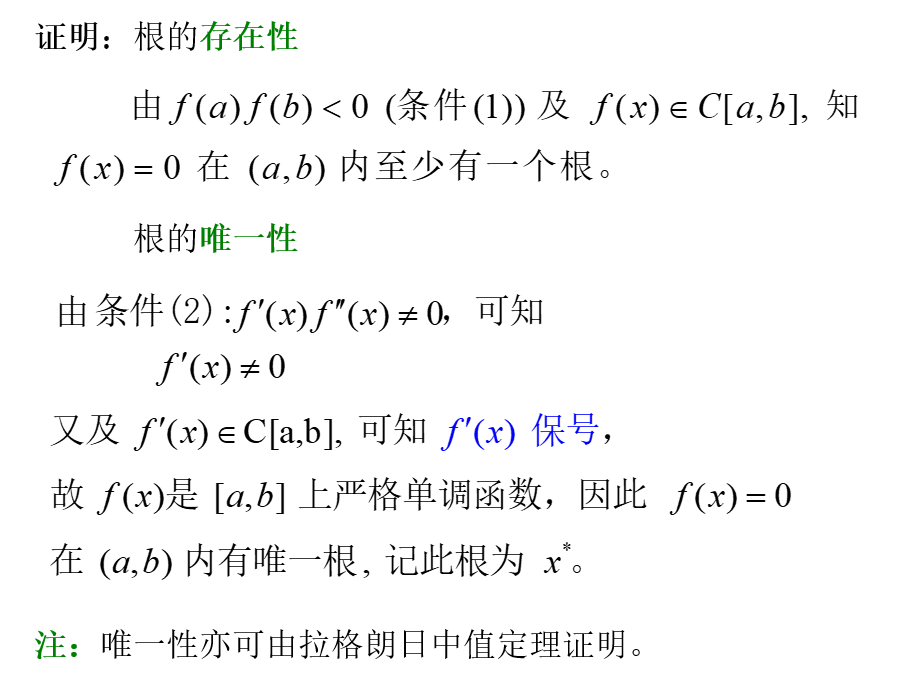
## 压缩映像原理的证明

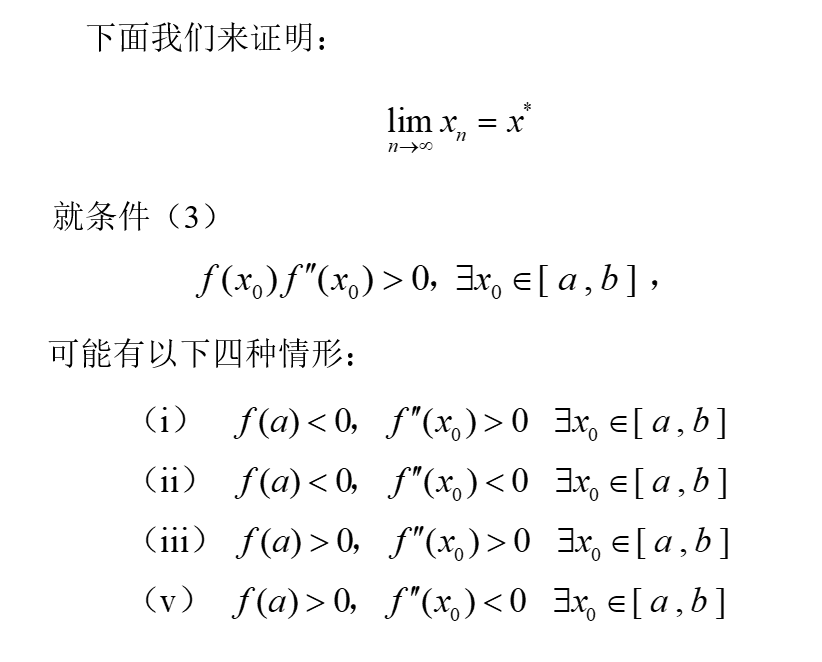
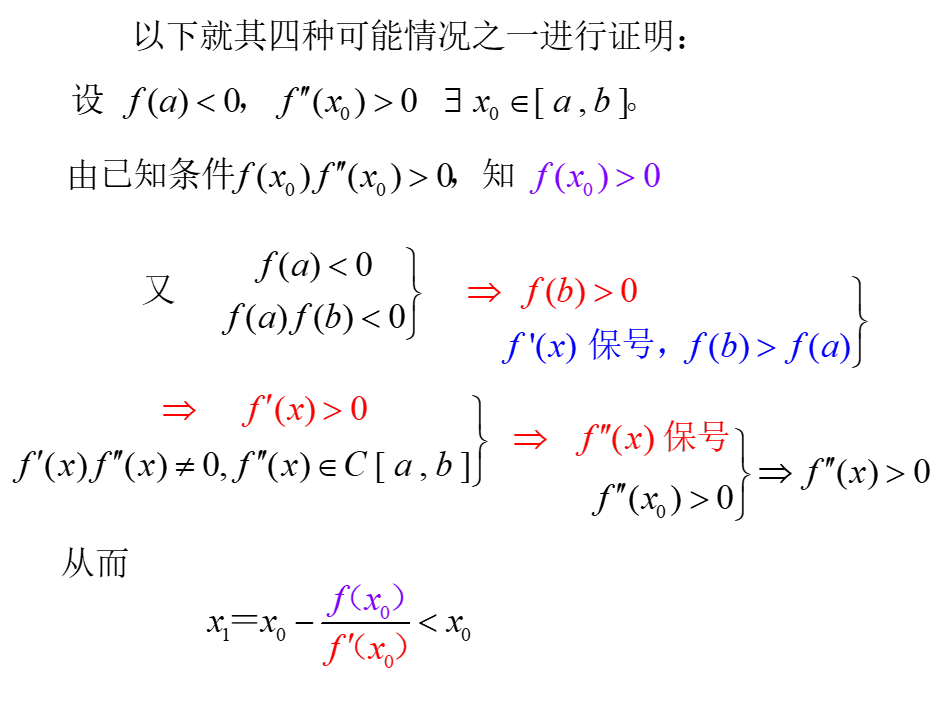


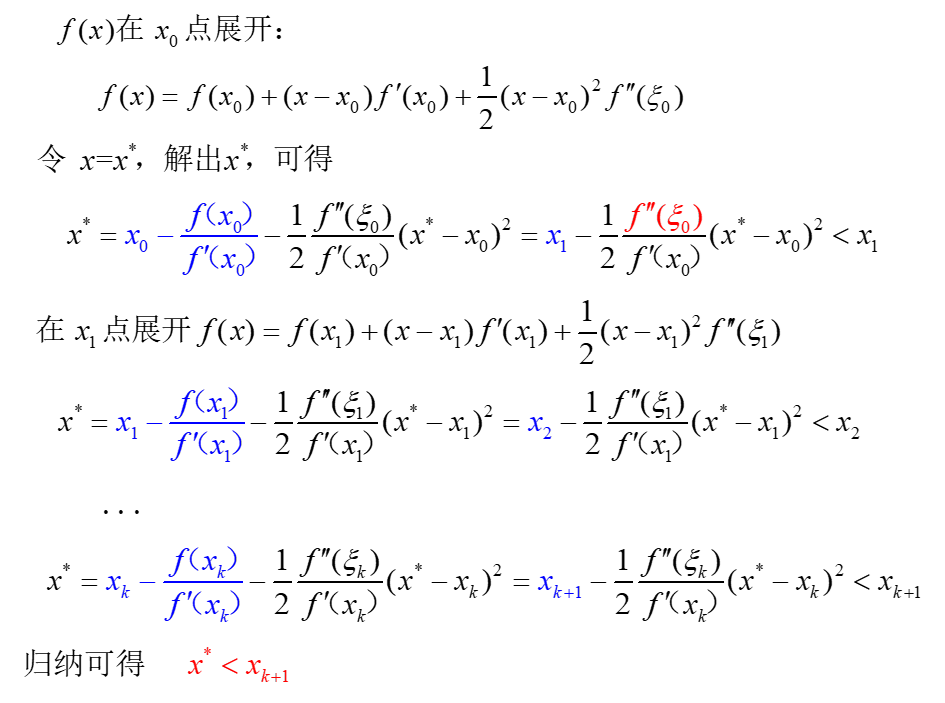
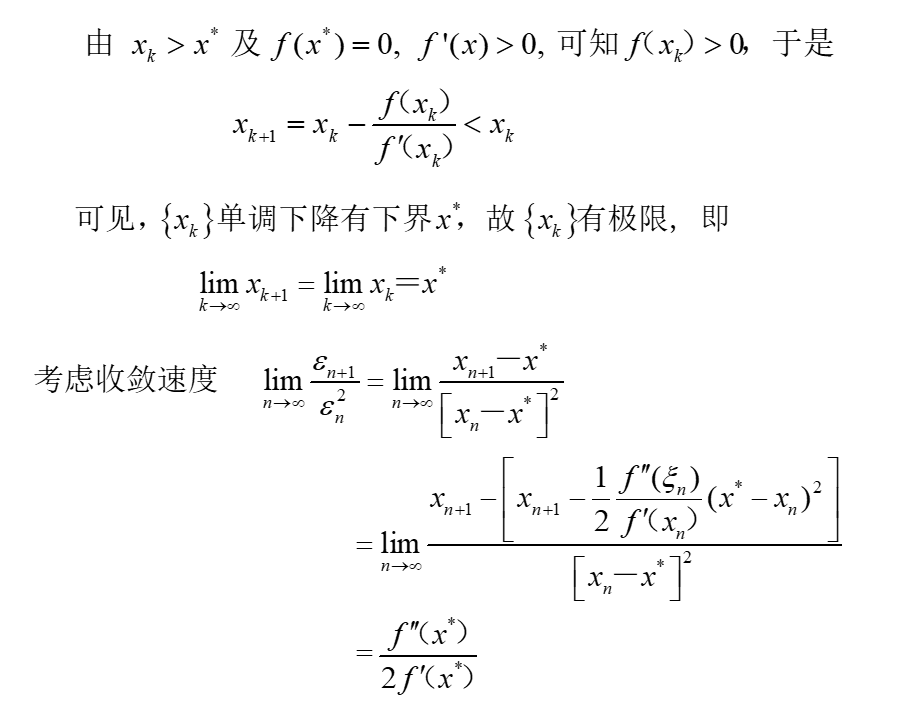
## Atiken迭代加速方法的证明



## 牛顿迭代法收敛性定理的证明

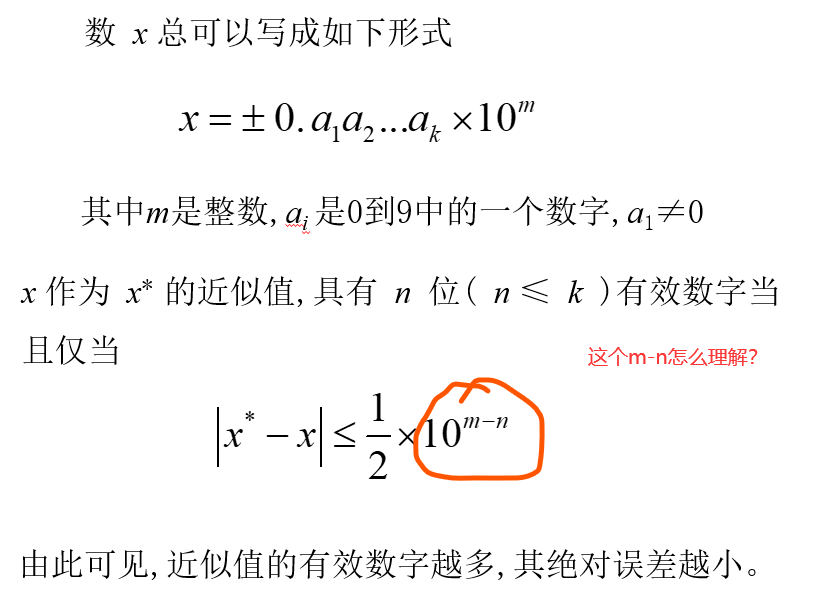
 

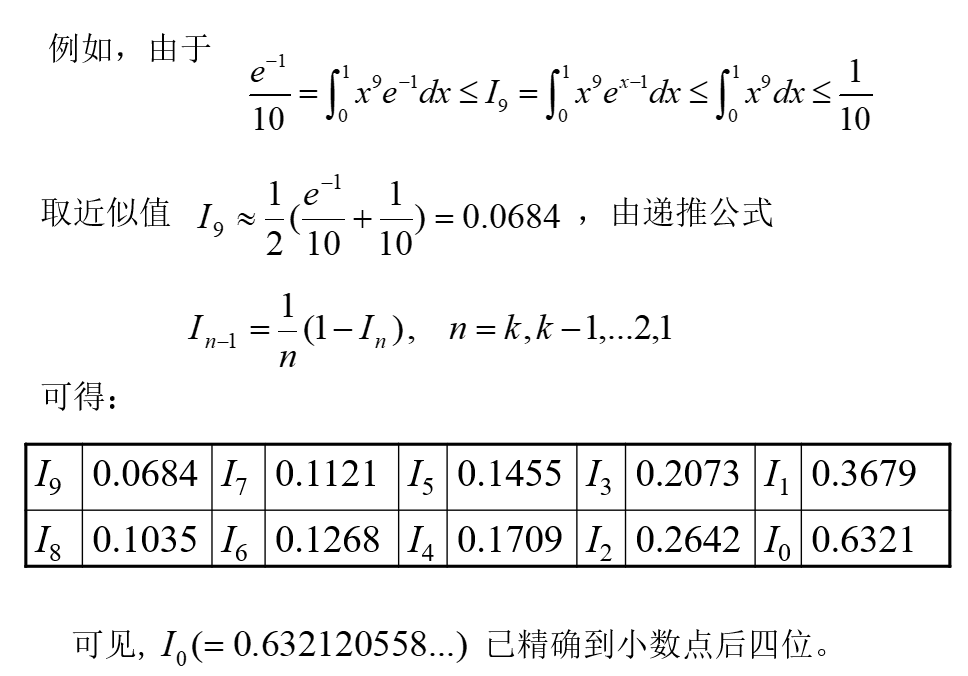
# 问题记录

## 1、误差位数



M：理解为小数点前面的位数，n理解为总的有效位数，n-m即为小数点后面的位数，取负，即为所求

## 2、这一页怎么理解



## 3、牛顿法的收敛性

