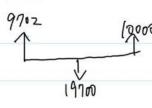
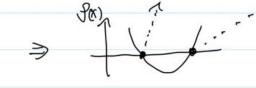


作業二

2023年3月7日 星期二 下午8:21



① 半級法 IR= 0.00940/ , 0.021723



else { High = Middle ; ?

图分散:

$$\int_{1}^{1} \log h = 0.015 \Rightarrow IRR = 0.010137$$

$$\int_{1}^{1} \log h = 0.015 \Rightarrow IRR = 0.02041$$

$$\int_{1}^{1} \log h = 0.015 \Rightarrow IRR = 0.02041$$

Q1. 与短過新等IRR Bise=0.0101, 0.0204

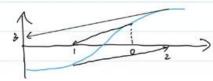
多从线的 出来的结果然近极同x

(Q2.: Nt 與 Bice 會不會 區到問題: A: 會.

- ① Bisection Method 問題:
 - 1、 营有多個根時、若上下界取太實倒至包含 2個根 ⇒ β(Low) × β(High) ≥0 時, 會無解.
 - 2. 程式為中: 每分辨 混式 圈型為



- @ Nt Method 問題: (在高次方狀態下)
 - 4. 發散图形不可解:



2. 凹横無限

```
■ D:\OneDrive\桌面\財務工程導論\HW2\0811253_HW2.exe
第 1 期報酬 = -19700
第 2 期報酬 = 10000
   1 期報酬 = -19700
 -----Bisection Method-----
Low = 0
High = 0.015
線性方向 1=右上, -1=右下 = -1
   算過程High 0.015000, Low 0.007500, Mid 0.007500, Value 0.320313
   拿過程High 0.011250, Low 0.007500, Mid 0.011250, Value -0.099609
    氧通程High 0.011250, Low 0.009375, Mid 0.009375, Value 0.075195
    通程High 0.010312, Low 0.009375, Mid 0.010312, Value -0.020508
   鍾程High 0.010312, Low 0.009844, Mid 0.009844, Value 0.026367
   氧過程High 0.010312, Low 0.010078, Mid 0.010078, Value 0.001953
   掌遍程High 0.010195, Low 0.010078, Mid 0.010195, Value -0.008789
計算過程High 0.010137, Low 0.010078, Mid 0.010137, Value -0.002930
# Yield rate IRR = 0.010137
 ---Newton-Raphson method----
輸入初始猜定IRR值: 0
  ·算過程 Value = 2.000000 X = 0.006667
計算過程 Value = 0.452148 X = 0.009401
# Yield rate IRR = 0.009401
Process returned 0 (0x0) execution time : 63.264 s
Press any key to continue.
```

```
■ D:\OneDrive\桌面\財務工程導論\HW2\0811253_HW2.exe
                                                                                                           期數 = 2
期初投入 = -9702
第 1 期報酬 = -19700
第 2 期報酬 = 10000
-----Bisection Method-----
Low = 0.015
High = 1
線性方向 1=右上, -1=右下 = 1
 ├算過程High 0.507500, Low 0.015000, Mid 0.507500, Value 1034.337891
  算過程High 0.261250, Low 0.015000, Mid 0.261250, Value 368.912109
     暨程High 0.138125, Low 0.015000, Mid 0.138125, Value 112.878906
      程High 0.076562, Low 0.015000, Mid 0.076562, Value 31.241211
     肄High 0.045781, Low 0.015000, Mid 0.045781, Value 8.030273
      濯High 0.030391, Low 0.015000, Mid 0.030391, Value 1.850586
      程High 0.022695, Low 0.015000, Mid 0.022695, Value 0.267578
      望High 0.022695, Low 0.018848, Mid 0.018848, Value -0.128906
      程High 0.020771, Low 0.018848, Mid 0.020771, Value 0.037109。
      程High 0.020771, Low 0.019810, Mid 0.019810, Value -0.054688
     5程High 0.020771, Low 0.020291, Mid 0.020291, Value -0.010742
     ・通程High 0.020531, Low 0.020291, Mid 0.020531, Value 0.011719。
     6程High 0.020411, Low 0.020291, Mid 0.020411, Value 0.000000
計算過程High 0.020411, Low 0.020351, Mid 0.020351, Value -0.005859
# Yield rate IRR = 0.020411
 ---Newton-Raphson method----
輸入初始猜定IRR值 : 0.5
  算過程 Value = 1013.110352 X = 0.141964
  算過程 Value = 119.248047 X = 0.070835
  - 算過程 Value = 25.912109 X = 0.041790
  ├算過程 Value = 0.294922 X = 0.020809
# Yield rate IRR = 0.020809
Process returned 0 (0x0) execution time: 44.557 s
 ress any key to continue.
```