

Enter Power Demand (MW)

Upload input as .txt file

Upload

Choose File

Sample\_Input1.txt

(or)

Add Inputs

a







b

c

Pmin

Pmax

Add

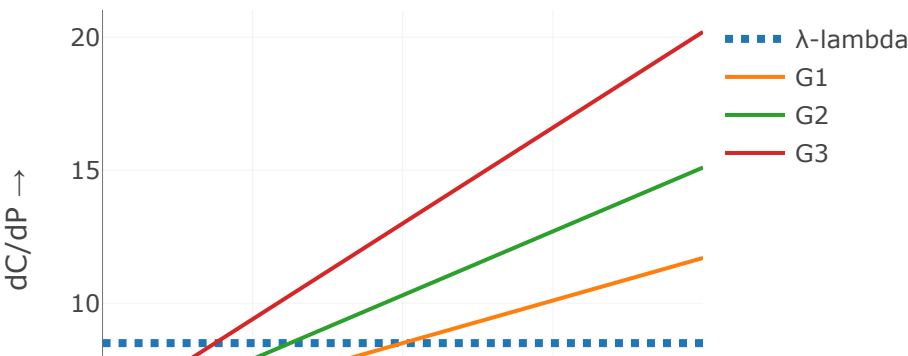
Generator	a	b	c	Pmin	Pmax		
G1	0.004	5.3	500	NaN	NaN		
G2	0.006	5.5	400	NaN	NaN		
G3	0.009	5.8	200	NaN	NaN		

Compute

Given Data

$P_D = 800 \text{ MW}$

Incremental Cost Curves





Generator	Cost Function	Incremental Cost Function
G1	$0.004P^2 + 5.3P + 500$	$0.008P + 5.3$
G2	$0.006P^2 + 5.5P + 400$	$0.012P + 5.5$
G3	$0.009P^2 + 5.8P + 200$	$0.018P + 5.8$

# Results

$\lambda = 8.500$

Generator	Power (MW)	Cost
G1	400.000	3260.00
G2	250.000	2150.00
G3	150.000	1272.50
Total	800	6682.500

Power Split %

