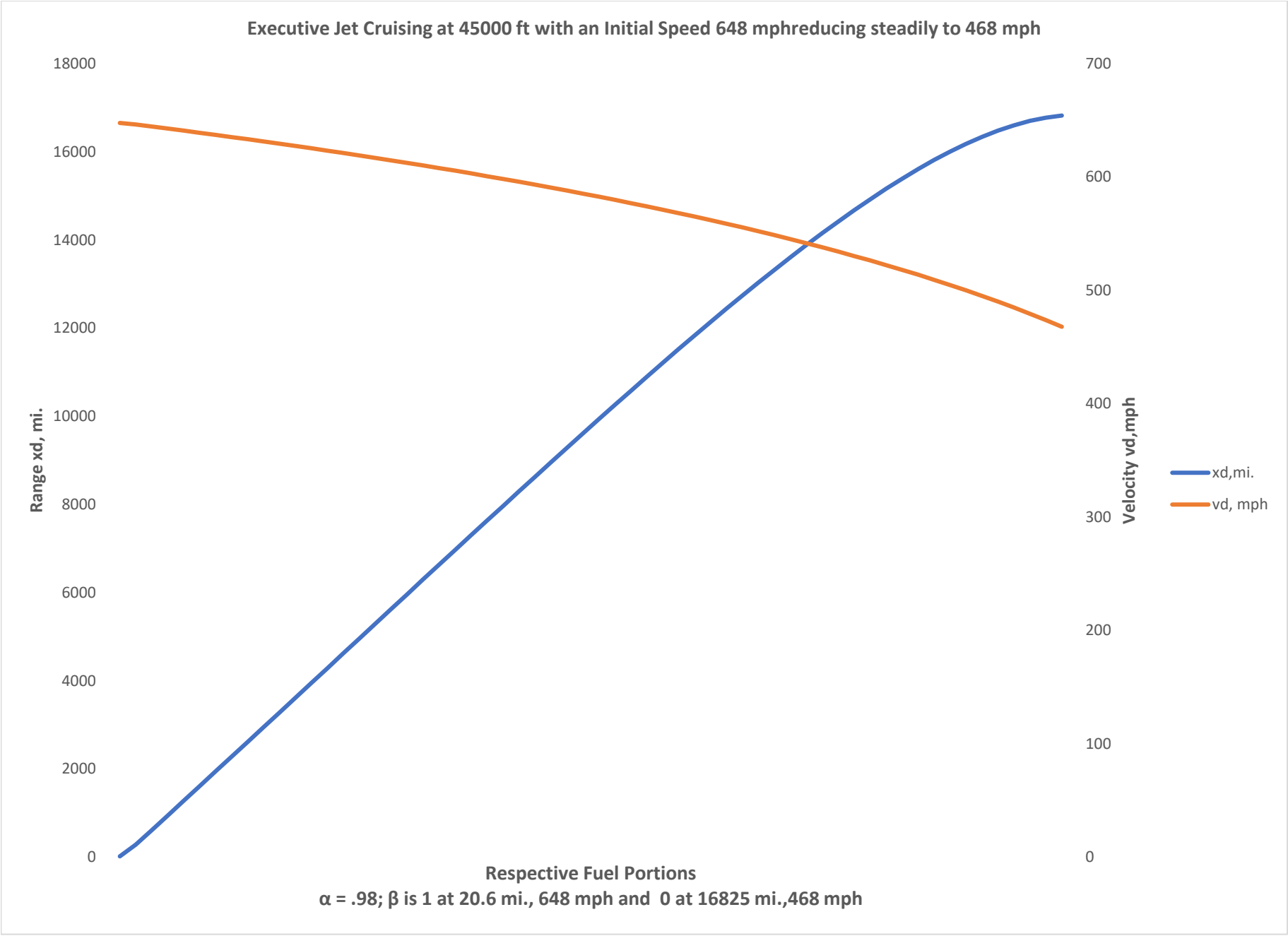
Executive Jet Cruising at 45000 ft with an Initial Speed 648 mphreducing steadily to 468 mph
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
Range xd, mi.
700
600
500
400
300
200
100
0
Velocity vd,mph
xd,mi.
vd, mph
Respective Fuel Portions
α = .98; β is 1 at 20.6 mi., 648 mph and 0 at 16825 mi.,468 mph