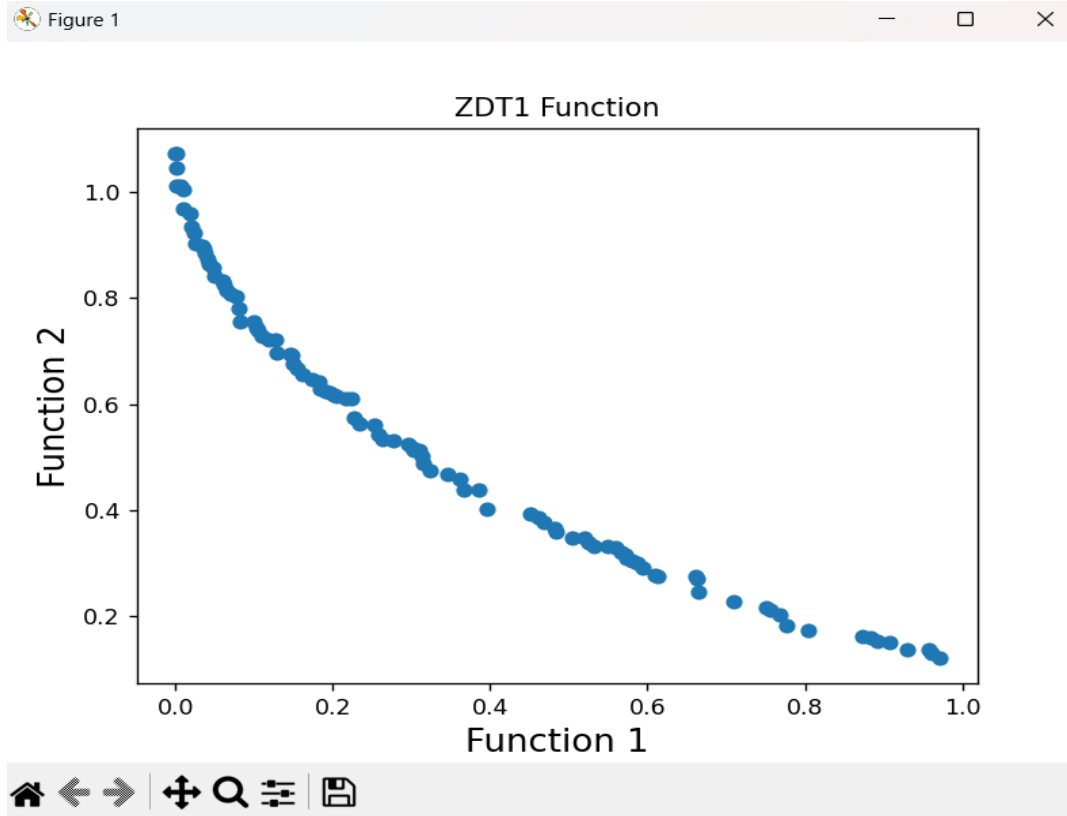
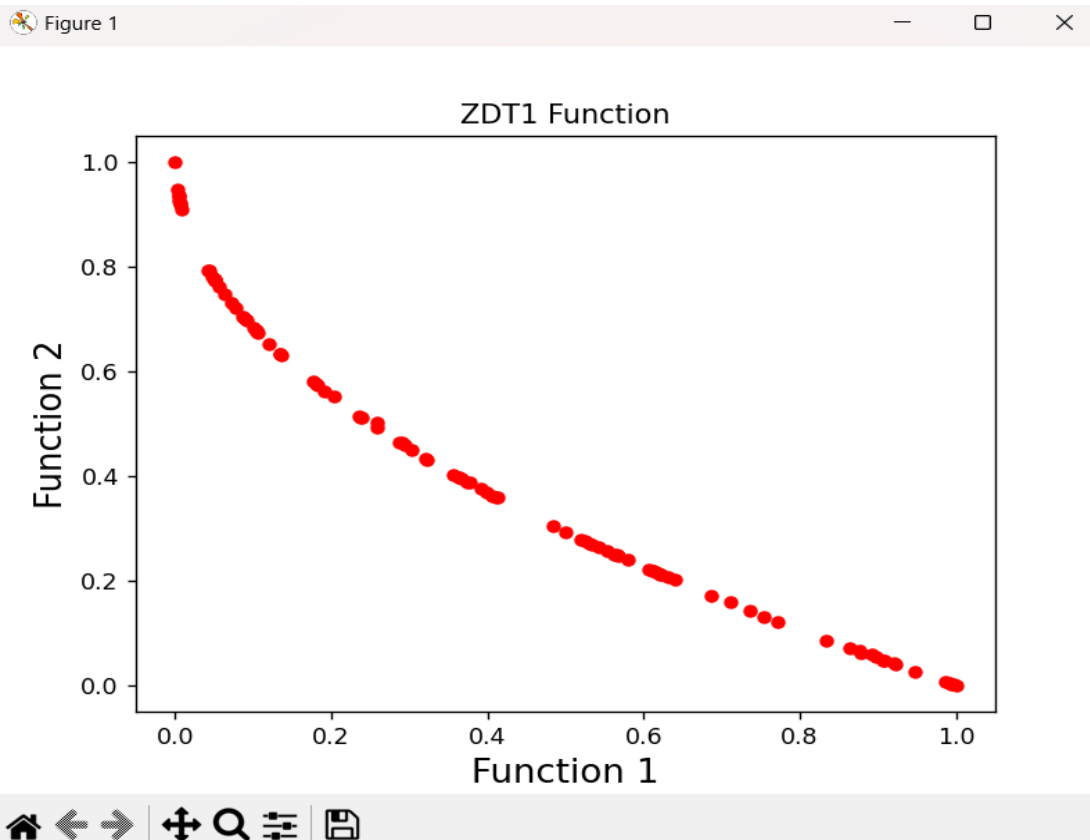


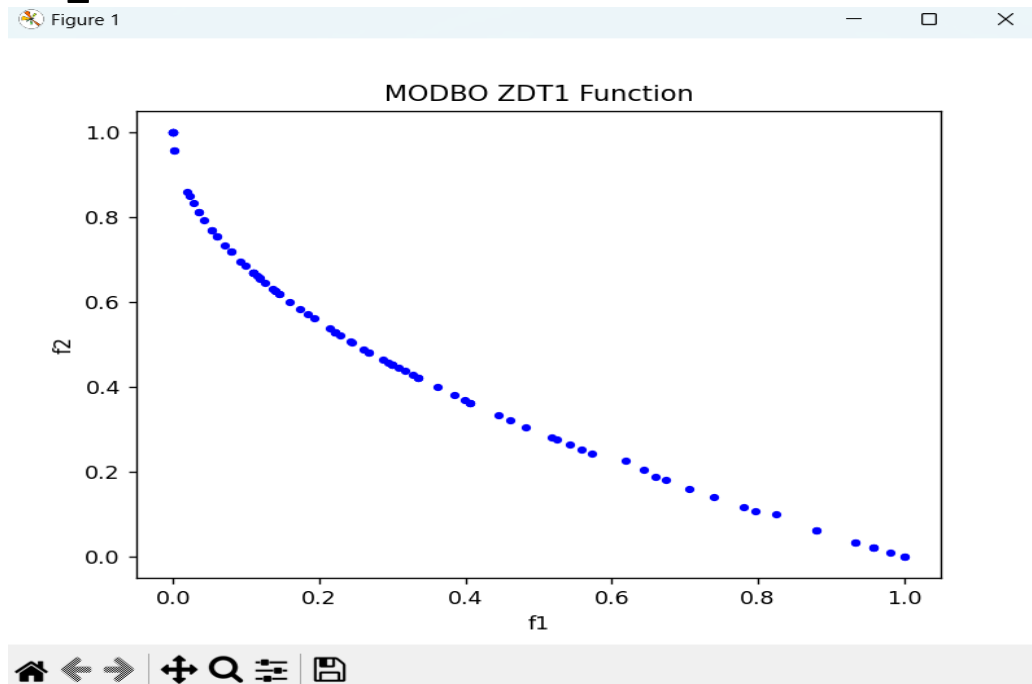
### NSGA2 ZDT1



### SPEA2 ZDT1

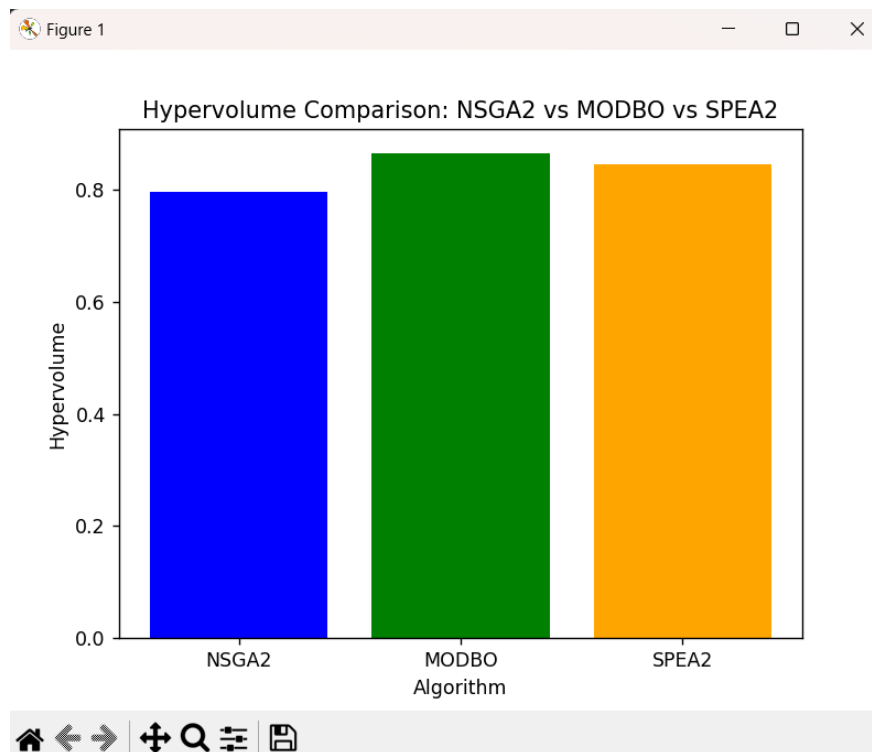


## MODBO\_ZDT1



## Hypervolume Results

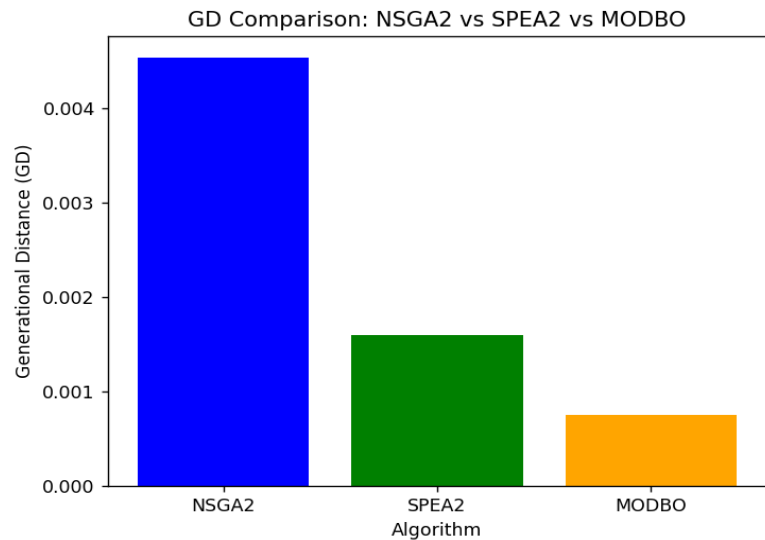
```
C:\Users\User\Desktop\Project\Comparison\ZDT1 result>python hypervolume.py
NSGA2 Hypervolume: 0.797586214673621
MODBO Hypervolume: 0.8658128613555222
SPEA2 Hypervolume: 0.8455373604895992
```



## Generational Distance Result

```
C:\Users\User\Desktop\Project\Comparison\ZDT1 result>python GD.py
NSGA2 Generational Distance: 0.004531785638261665
SPEA2 Generational Distance: 0.001597905165544657
MODBO Generational Distance: 0.0007473238426467774
```

Figure 1



## Inverted Generational Distance Result

```
C:\Users\User\Desktop\Project\Comparison\ZDT1 result>python IGD.py
NSGA2 Inverted Generational Distance: 0.0052645597921434405
SPEA2 Inverted Generational Distance: 0.0019650178403200504
MODBO Inverted Generational Distance: 0.001105240306993114
```

Figure 1

