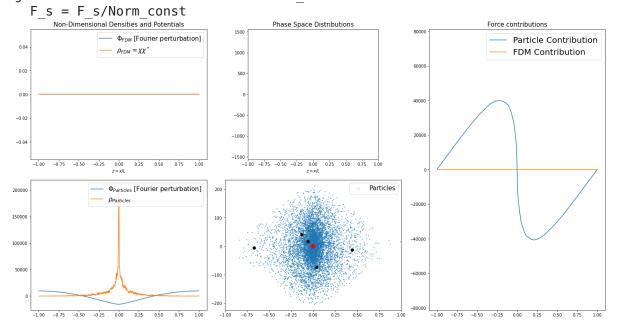
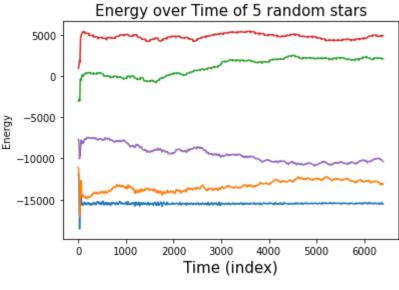
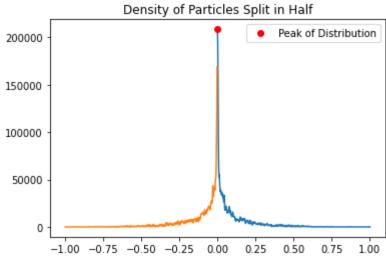
```
In [ ]:
        import Analysis
        #[ ..., [r,m, Num bosons, sigma, Num stars],...]
        Args = [
             [0.5, 1.0, 0, 1, 10000],
             [0.5, 1.0, 10000, 1, 10000],
            [1,0.5,20000,1,10000],
             [5,0.1,100000,1,10000],
             [10,0.05,200000,1,10000],
             [50,0.01,1000000,1,10000],
            [0.5, 1.0, 10000, 1, 0]
        for args in Args:
            print("-----")
            print(
                 f"r = {args[0]}",
                f"mu = {args[1]}",
                f"Num bosons = {args[2]}",
                f"sigma = {args[3]}",
                f"Num stars = {args[4]}"
            Analysis analysis (*args)
```

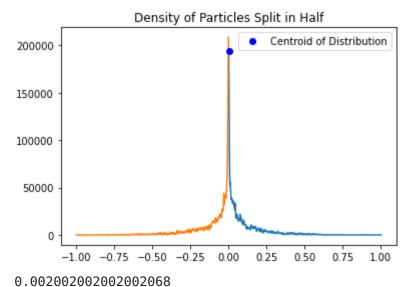
/home/boris/Documents/Research/Coding/1D_Codes/Non-Dim/Analysis
-----r = 0.5 mu = 1.0 Num bosons = 0 sigma = 1 Num stars = 10000

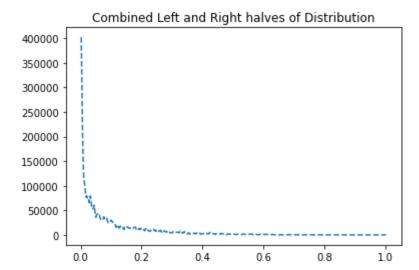
/home/boris/Documents/Research/Coding/OneD/WaveNonDim.py:128: RuntimeWarnin g: invalid value encountered in true divide

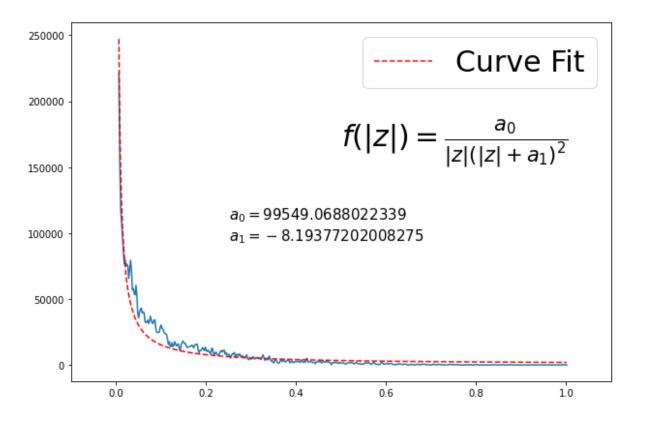


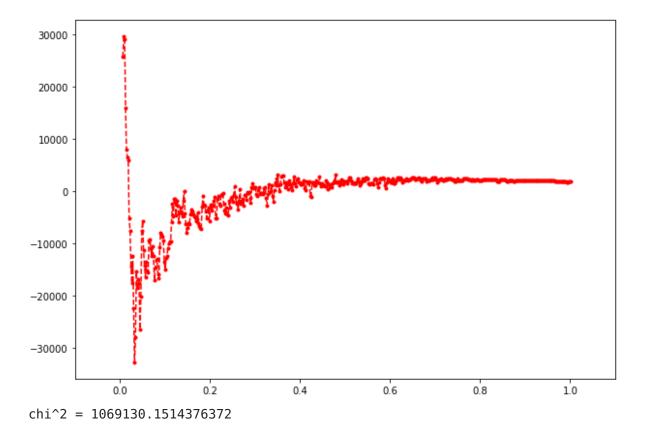


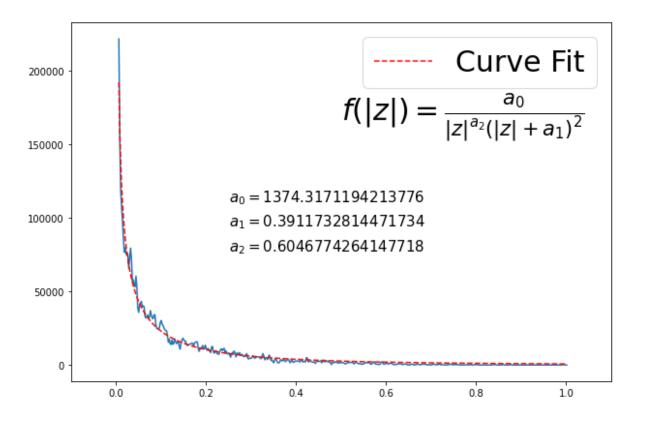


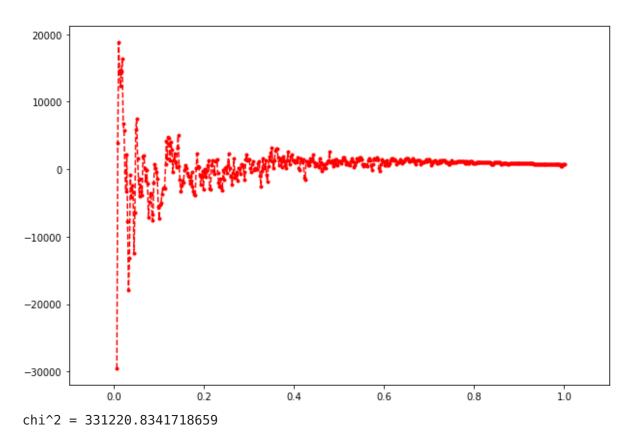


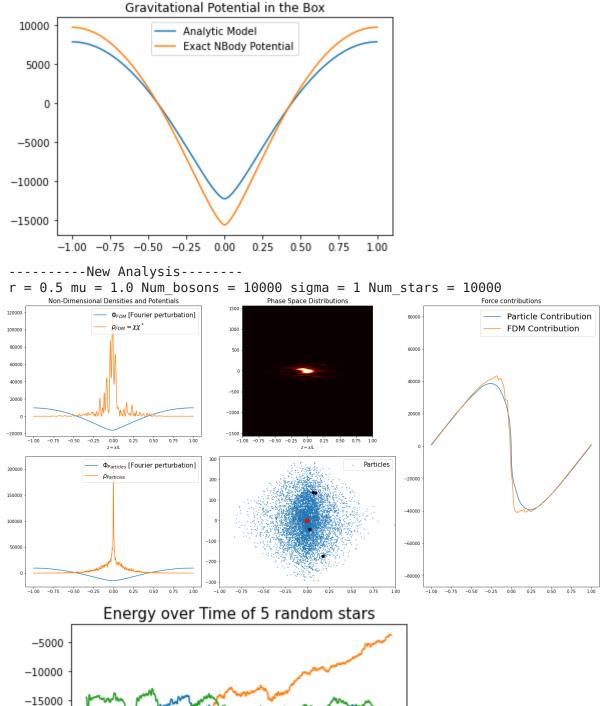




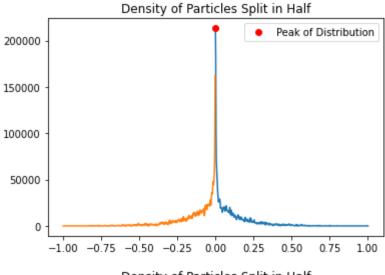


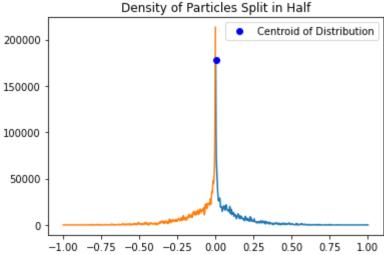




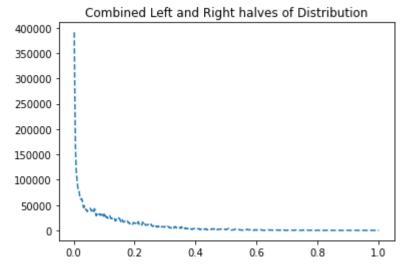


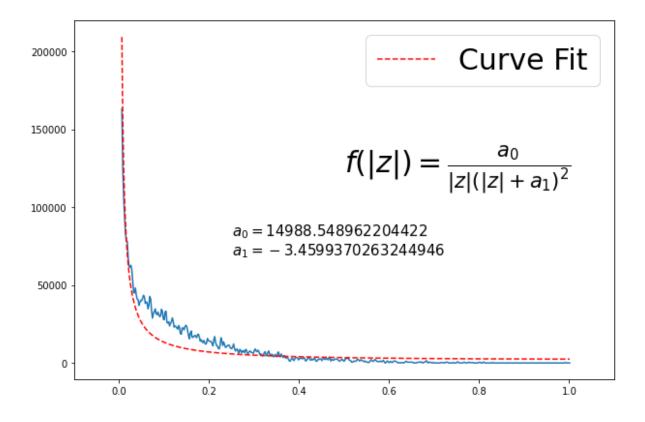
-5000 -15000 -25000 -35000 -35000 -3000 4000 5000 6000 Time (index)

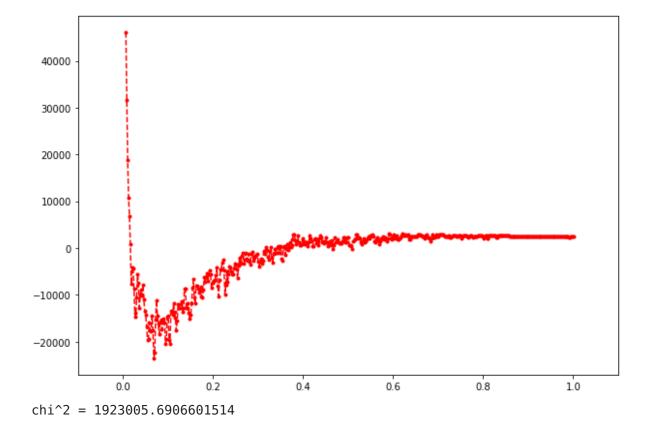


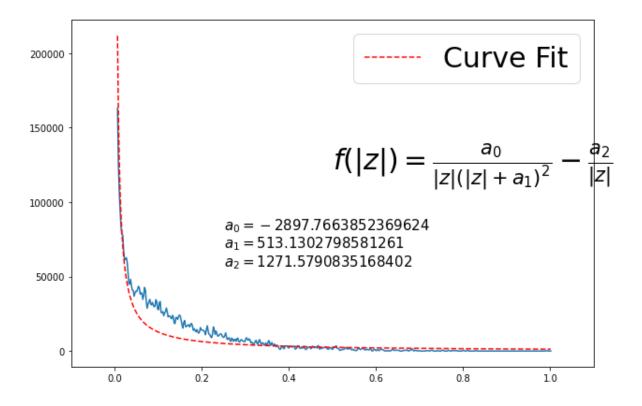


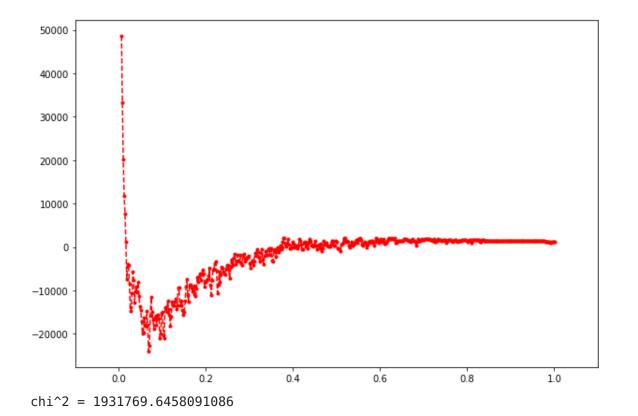
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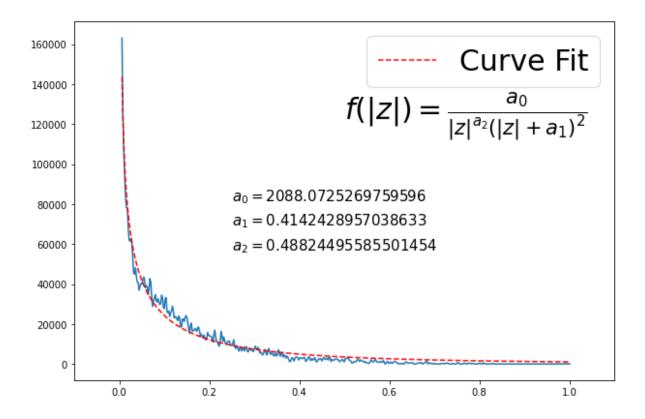


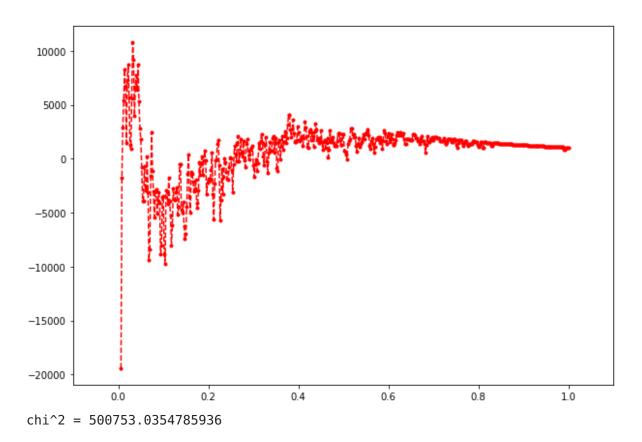


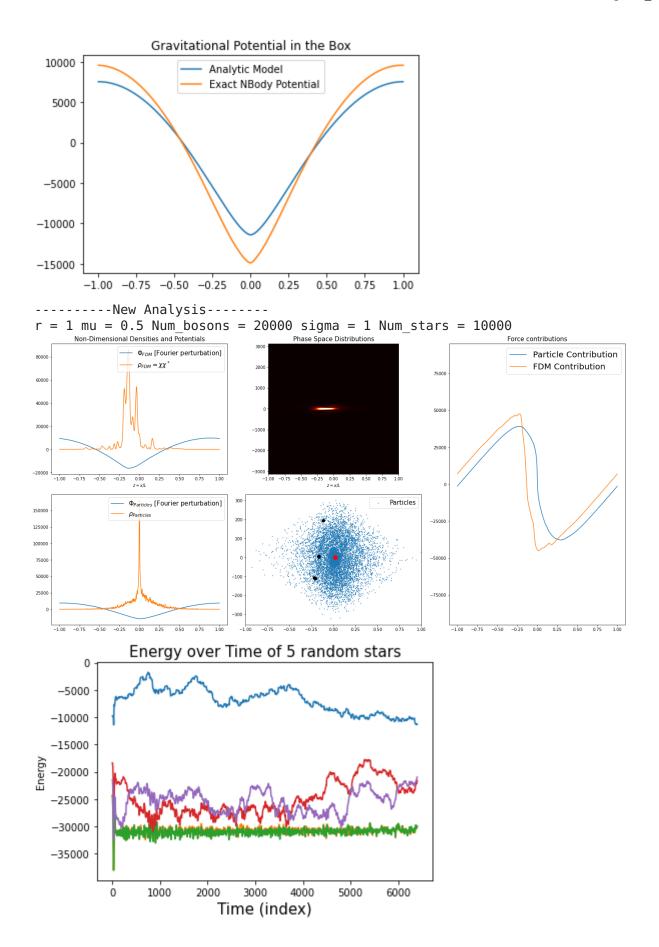


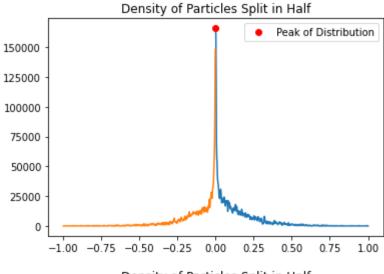


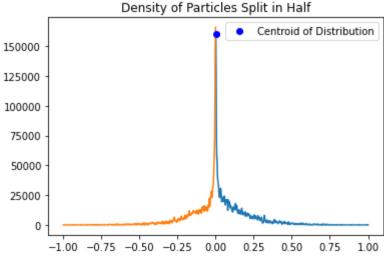




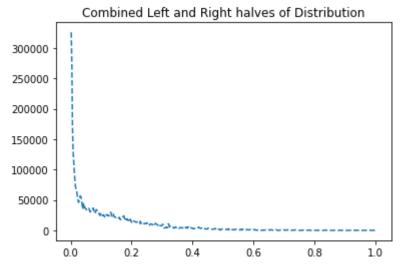


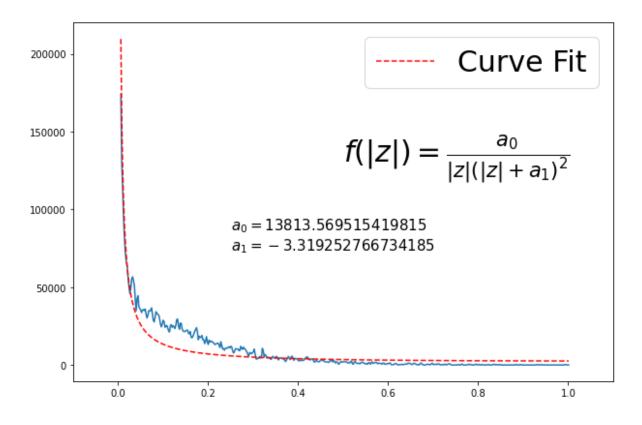


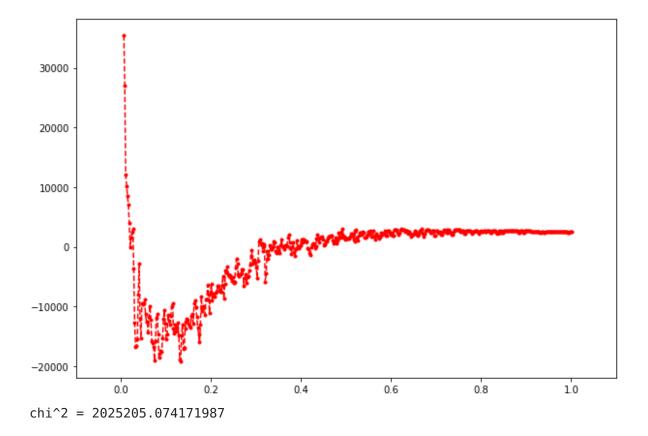


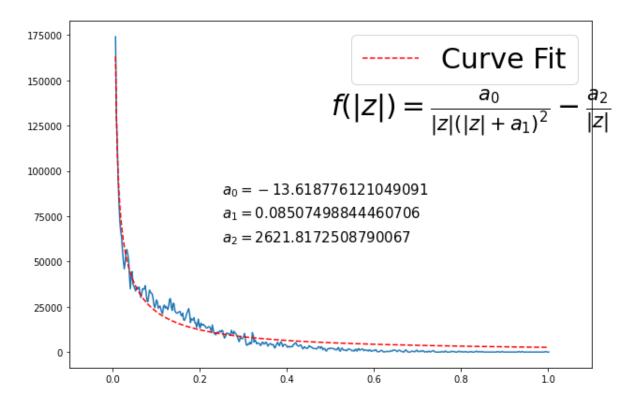


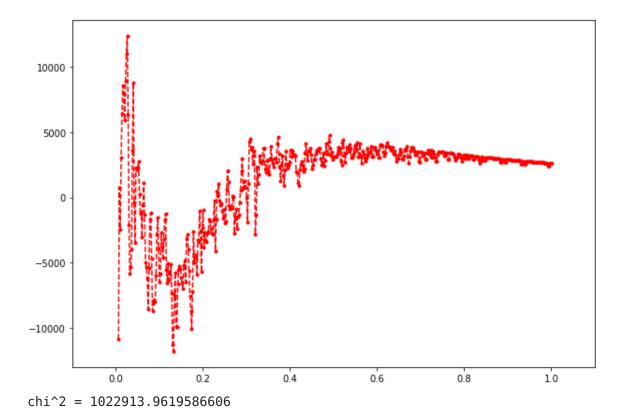
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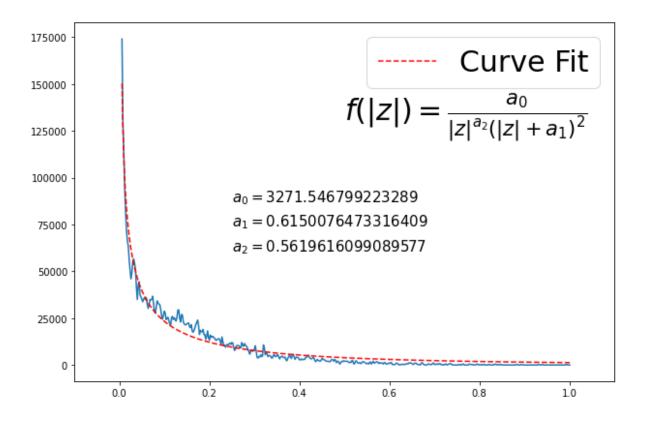


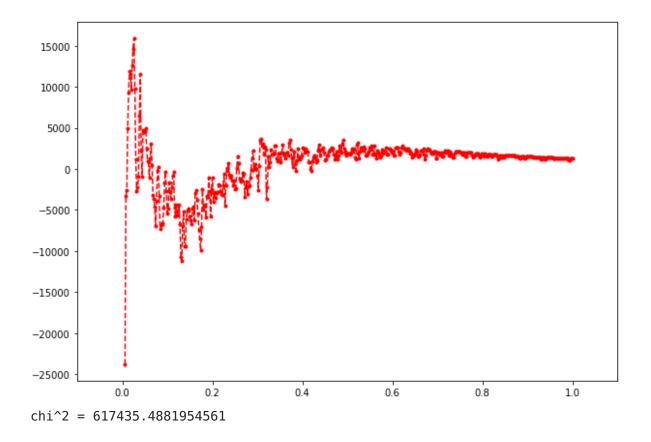


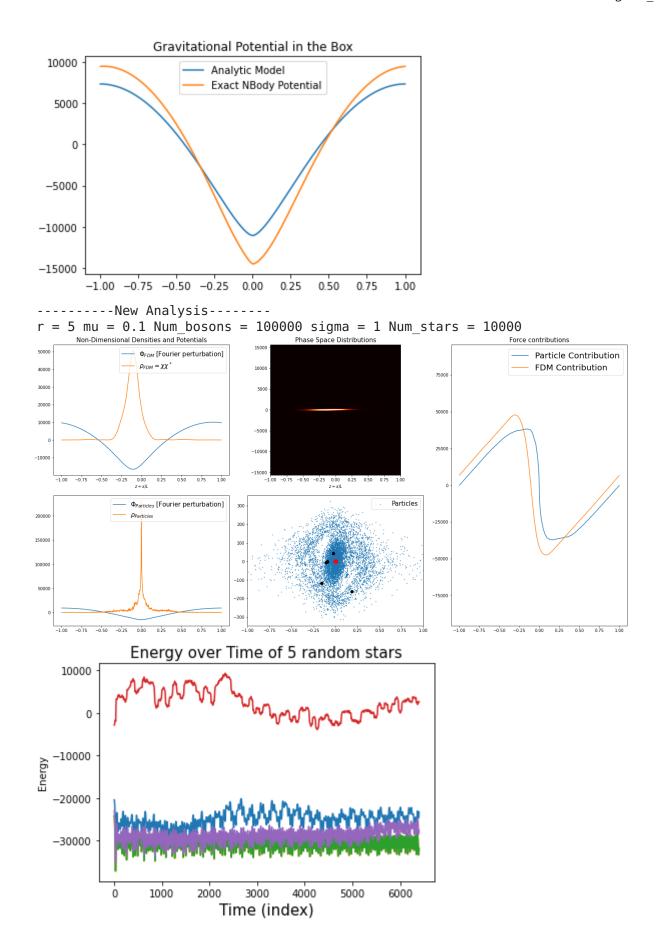


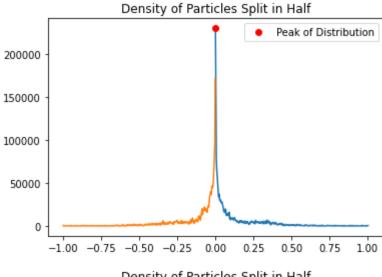


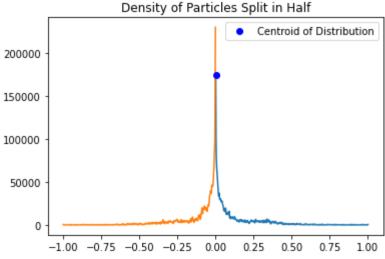




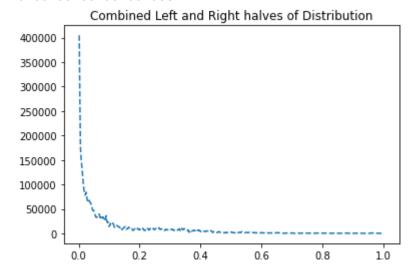


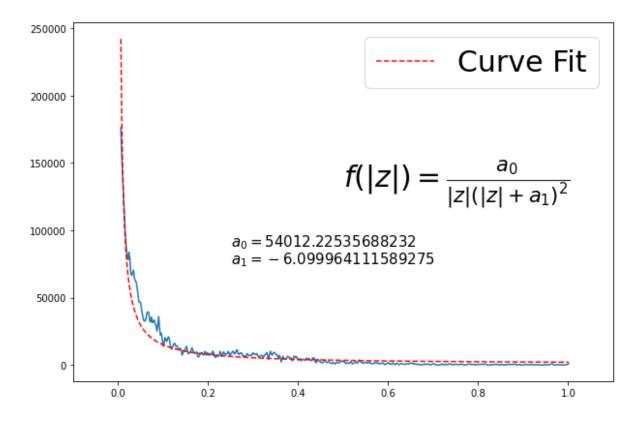


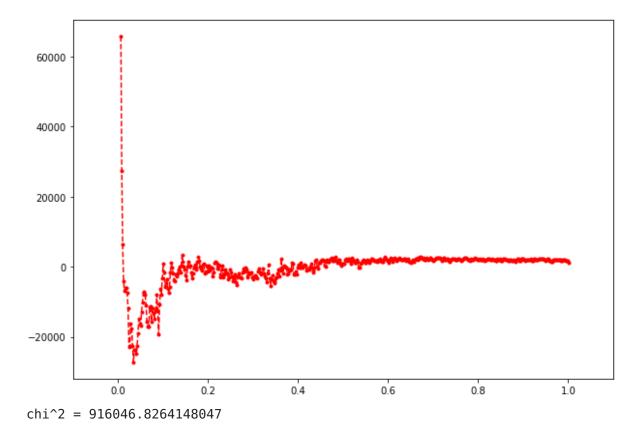


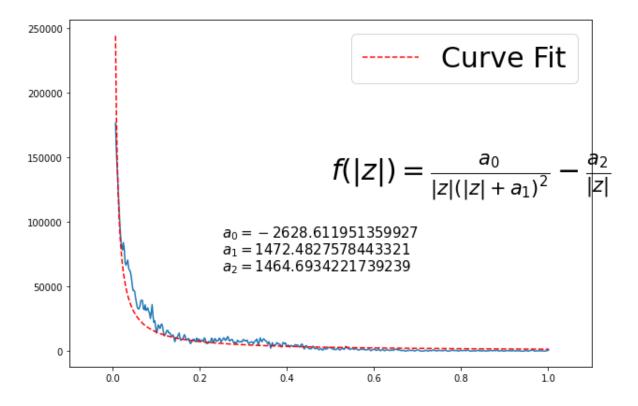


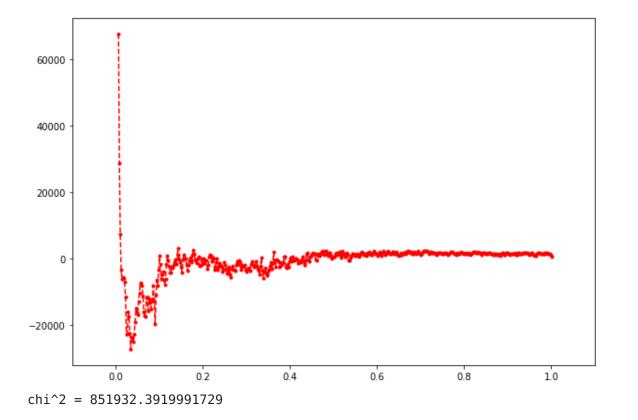
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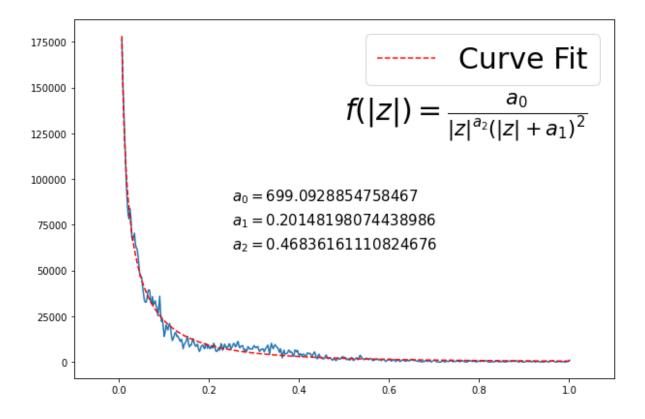


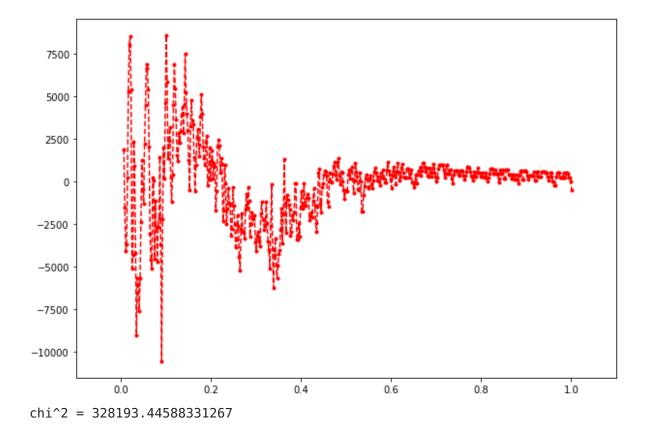


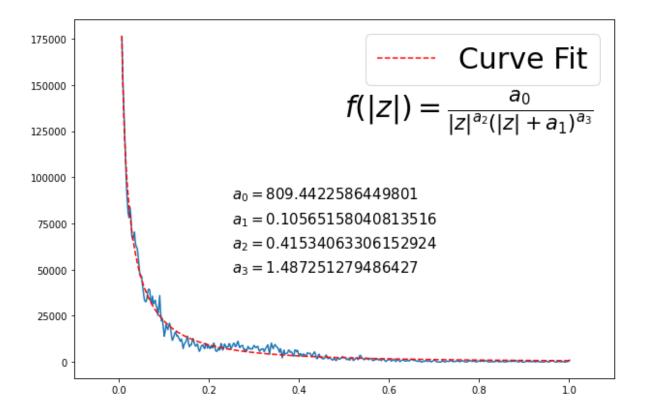


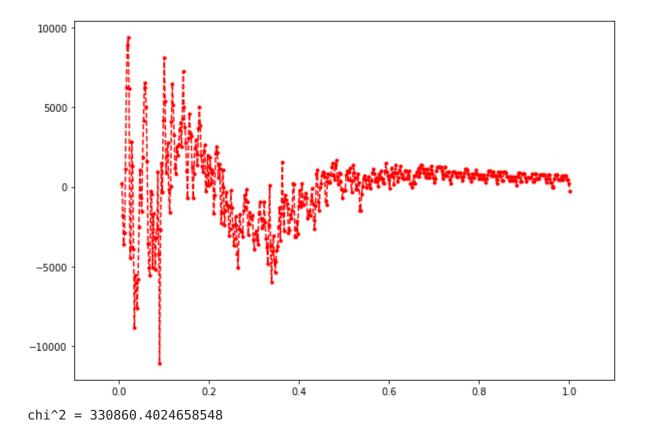


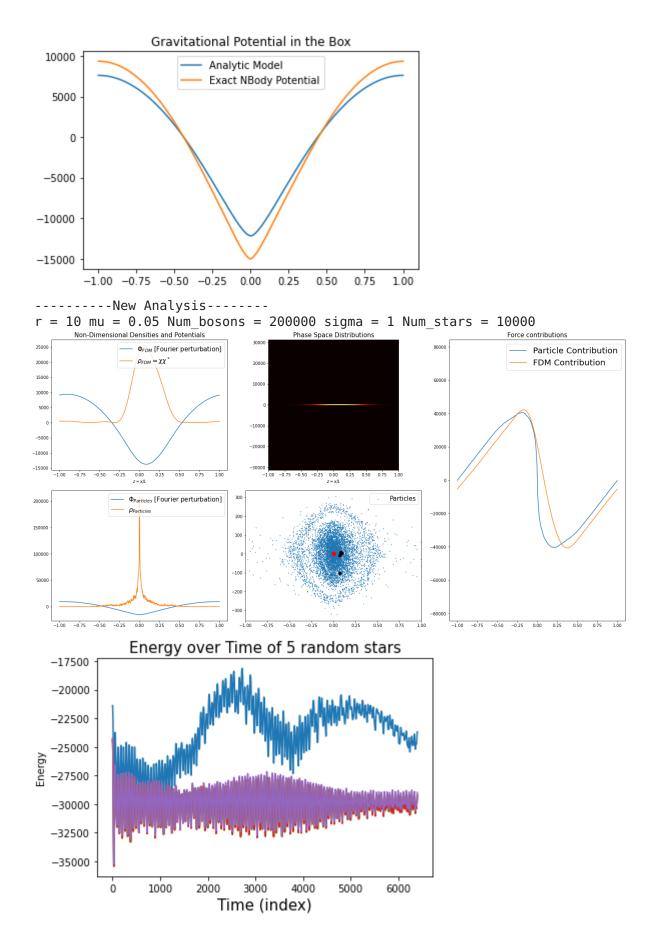


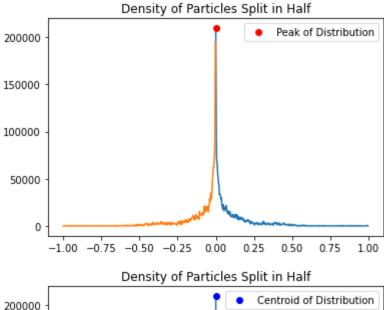


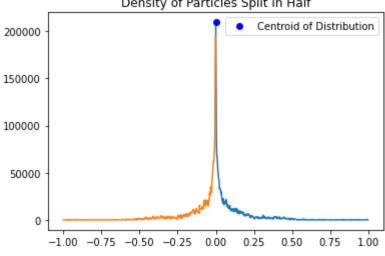


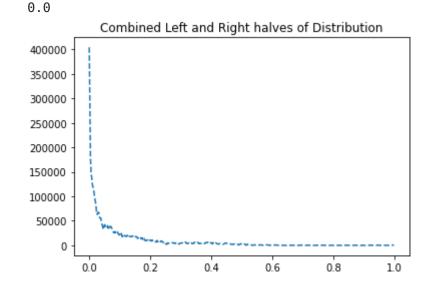


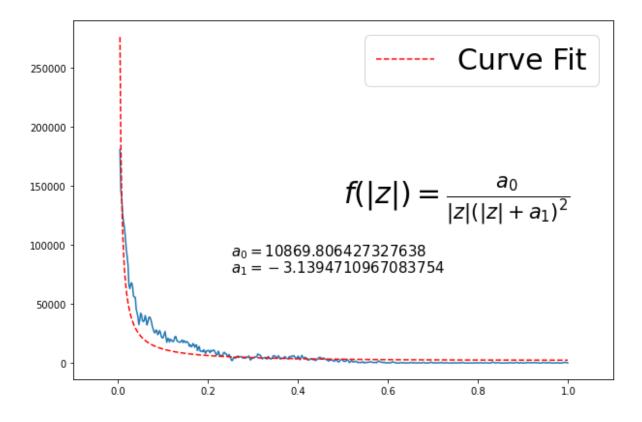


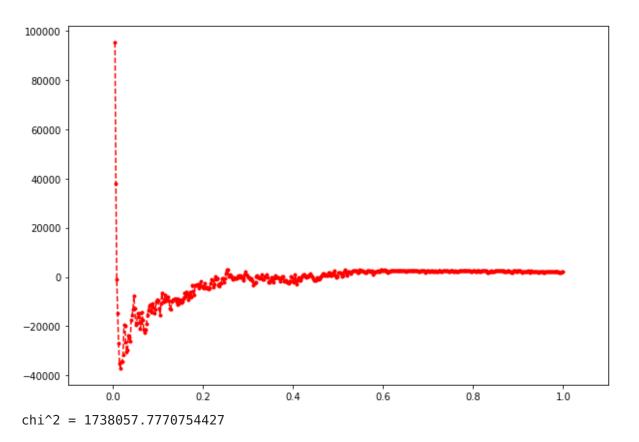


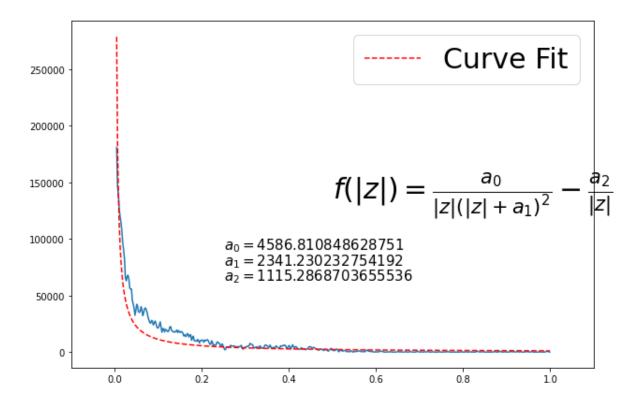


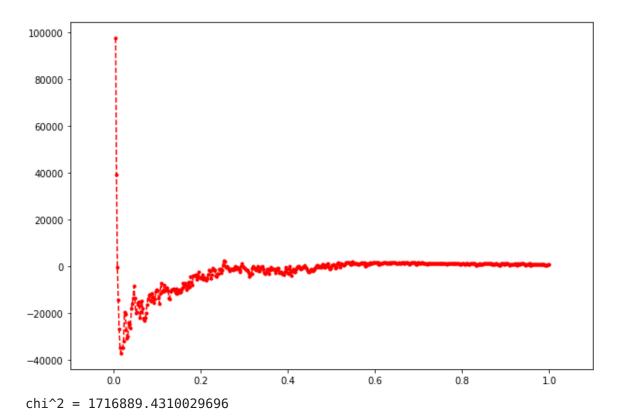


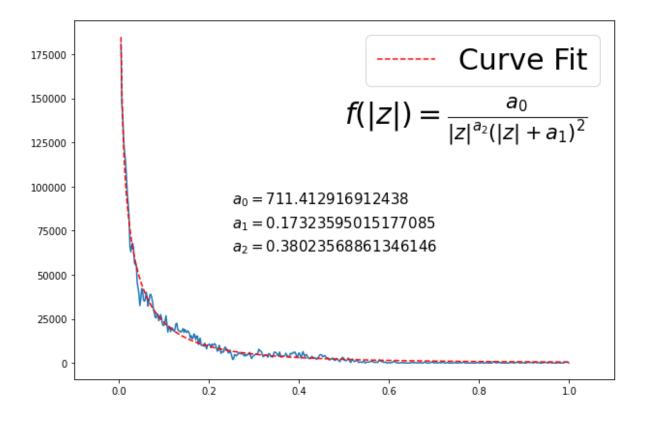


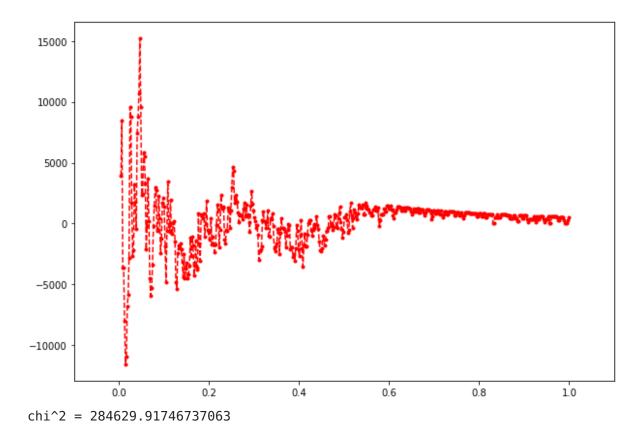


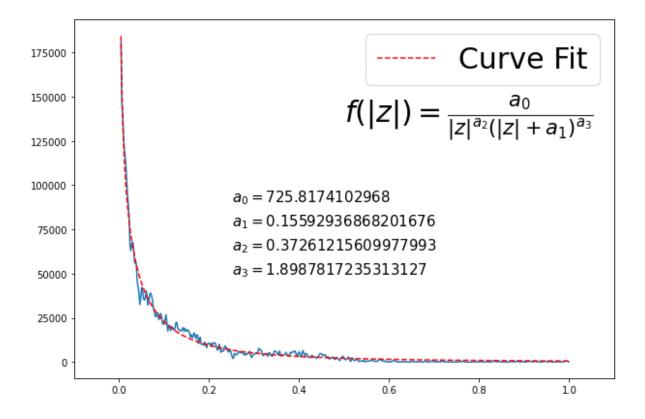


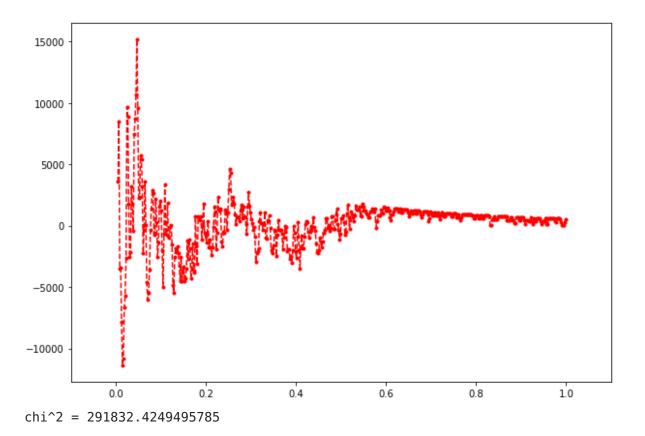


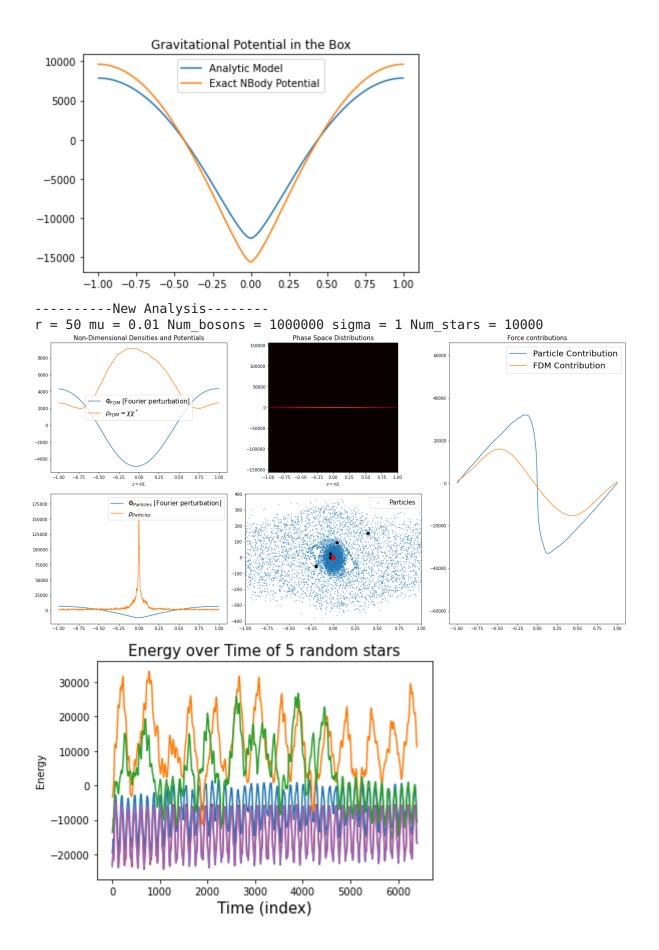


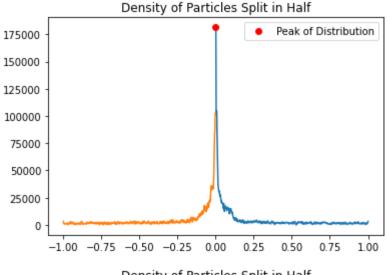


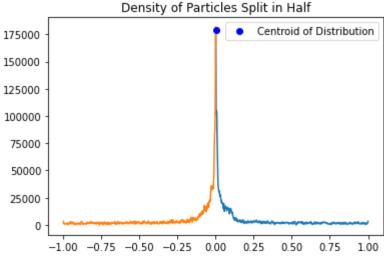




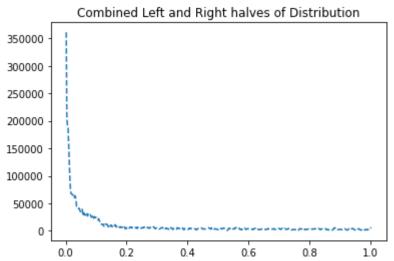


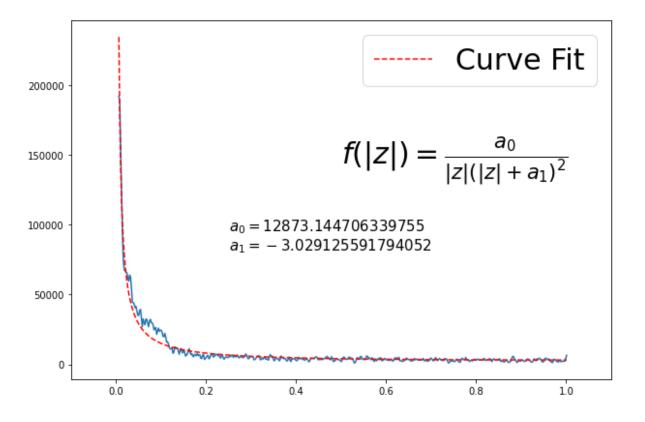


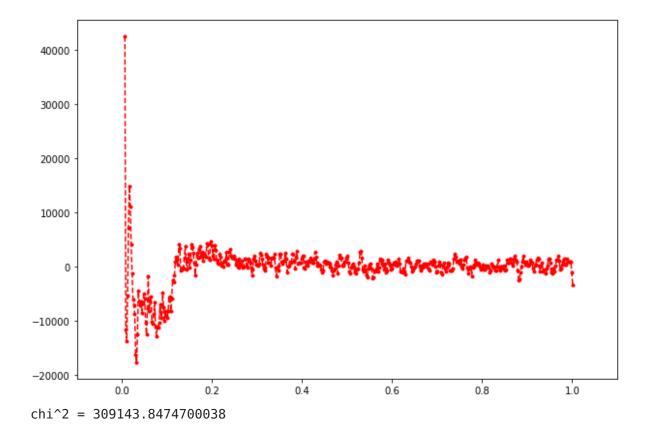


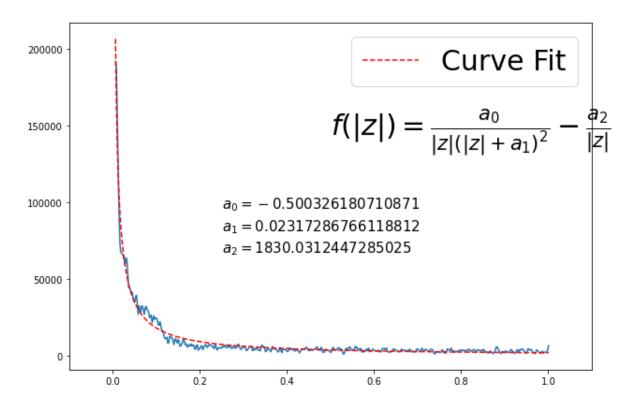


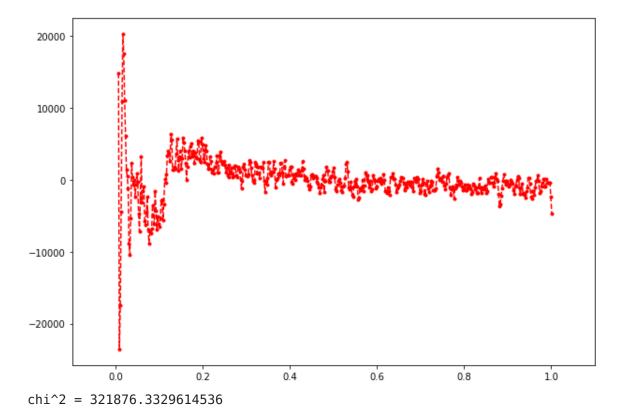
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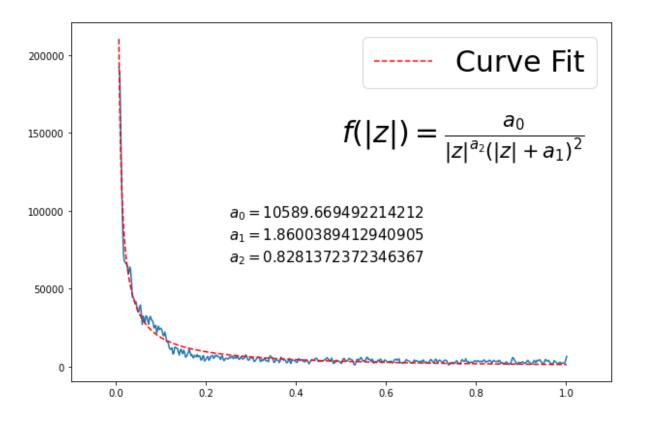


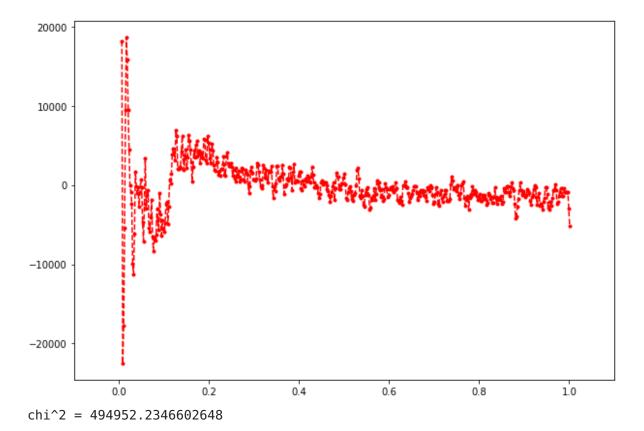












/home/boris/Documents/Research/Coding/1D_Codes/Non-Dim/Analysis/Analysis.p y:437: RuntimeWarning: invalid value encountered in power og = a0/((z**a2) * (z+a1)**a3)

