

```
fun: 0.05125226276095188
message: 'Optimization terminated successfully.'
nfev: 10512
nit: 7893
status: 0
success: True
x: array([6.64585610e+02, 1.63286023e+04, 2.06335233e+03, 1.84659734e+04, 6.66439557e+03, 9.83405339e+02, 1.79892073e+04, 3.08216349e+03, 2.75148751e+00, 3.26464598e+00, 1.35670797e+00])
```

| | epsilon | Initial_guesses | Converged |
|-----|---------------|-----------------|--------------|
| A_s | 56.188507 | 608.397103 | 664.585610 |
| B_s | 1078.144577 | 15250.457700 | 16328.602277 |
| C_s | -399.844146 | 1668.059050 | 1268.214904 |
| N_s | -0.029121 | 1.198934 | 1.169812 |
| A_r | 1375.387638 | 687.964693 | 2063.352331 |
| B_r | -5031.637964 | 23497.611400 | 18465.973436 |
| C_r | -0.055703 | 0.062367 | 0.006664 |
| N_r | 0.591274 | 0.391731 | 0.983005 |
| A_h | 392.798791 | 590.606548 | 983.405339 |
| B_h | -17297.918438 | 35287.125700 | 17989.207262 |
| C_h | -0.000222 | 0.000530 | 0.000308 |
| A_o | -0.443437 | 0.829830 | 0.386392 |
| B_o | -1.536683 | 4.288170 | 2.751488 |
| C_o | 0.131424 | 3.133222 | 3.264646 |
| N_o | -0.452311 | 1.809018 | 1.356708 |