

 2×10^{3}

10⁻⁵

 10^{-4}

 10^{-1}

Across all four plots:

 10^{-4}

 10^{3}

10⁻⁵

RSS (converged)=0.047

 10^{-3}

 10^{-2}

RSS (initial)=2.415

RSS (% reduction)=0.981

```
message: Optimization terminated successfully.
        epsilon Initial guesses
                                 Converged
                                                     success: True
      49.914936
                    608.397103
                                  658.312039
Αs
                                                     status: 0
Вs
      990.928094
                   15250.457700 16241.385794
                                                       fun: 0.04744040665408673
     -376.617172
                    1668.059050
                                 1291.441878
                                                        x: [ 6.583e+02 1.624e+04 ... 1.256e+00 1.271e+00]
      -0.032188
                     1.198934
                                 1.166746
                                                       nit: 25712
     3132.666288
                     687.964693 3820.630981
                                                      nfev: 33659
B_r 195727.667939
                     23497.611400 219225.279339final simplex: (array([[ 6.583e+02, 1.624e+04, ..., 1.256e+00,
       0.014205
                     0.062367
Cr
                                 0.076572
                                                               1.271e+001,
       0.338259
                     0.391731
                                 0.729989
                                                              [6.583e+02, 1.624e+04, ..., 1.256e+00,
Νr
     -579.028019
                     590.606548
                                   11.578529
                                                               1.271e+00],
     27895.940958
                     35287.125700 63183.066658
Βh
C h
       0.000763
                     0.000530
                                 0.001293
                                                              [6.583e+02, 1.624e+04, ..., 1.256e+00,
                     0.829830
      -0.815025
                                 0.014805
Αо
                                                               1.271e+00],
                                                              [6.583e+02, 1.624e+04, ..., 1.256e+00,
                     4.288170
Во
      -1.720434
                                 2.567737
      -1.877271
                     3.133222
                                 1.255951
                                                               1.271e+00]]), array([4.744e-02, 4.744e-02, ..., 4.744e-02, 4.744e-02]))
Со
                     1.809018
                                  1.271256
Νo
       -0.537762
```

 10^{-2}

 10^{-1}

10⁻³