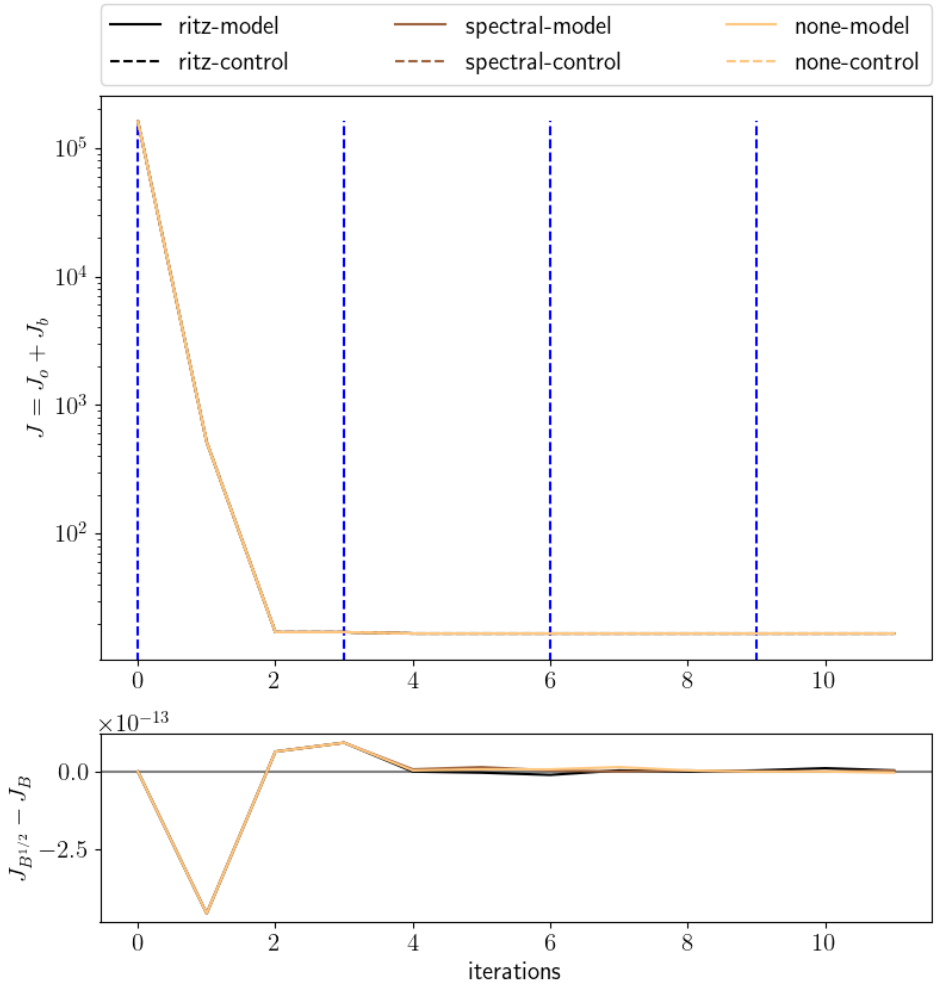
B matrix modeling

- L_b : correlation lenght-scale, $var(\sigma^b)$.
- Grid point variance :
  $\sigma_i^b = 1 + var(\sigma^b) \times \sin(2\pi(i-1)/n), \quad i = 1..n$

- Spectral variance :
  $\sigma_0^{b,spec} = 1$
  $\sigma_{2(i-1)}^{b,spec} = 2\exp(-2(\pi(i-1)L_b)^2), \quad i = 1..n/2$
  $\sigma_{2(i-1)+1}^{b,spec} = \sigma_{2(i-1)}^{b,spec}$
  $\sigma_{n_{max}}^{b,spec} = \exp(-2(\pi n_{max}/2)L_b)^2)$

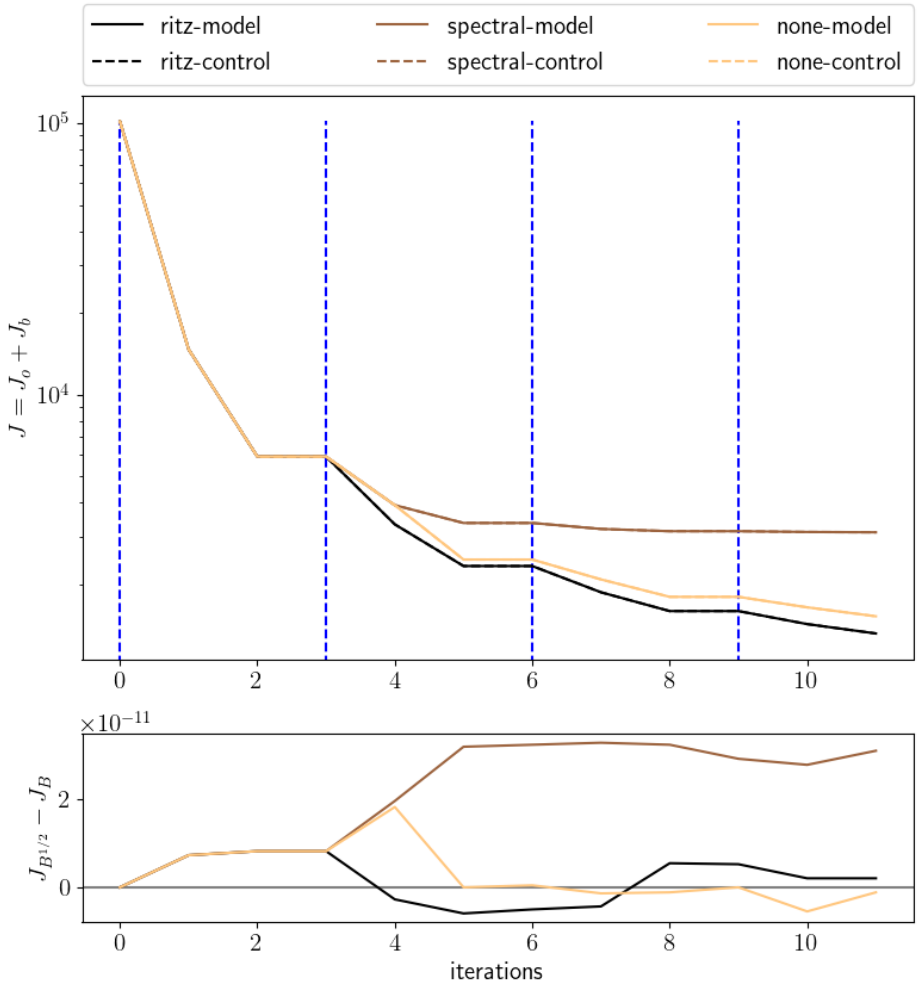
Full resolution example

σ^o :0.01, n :128



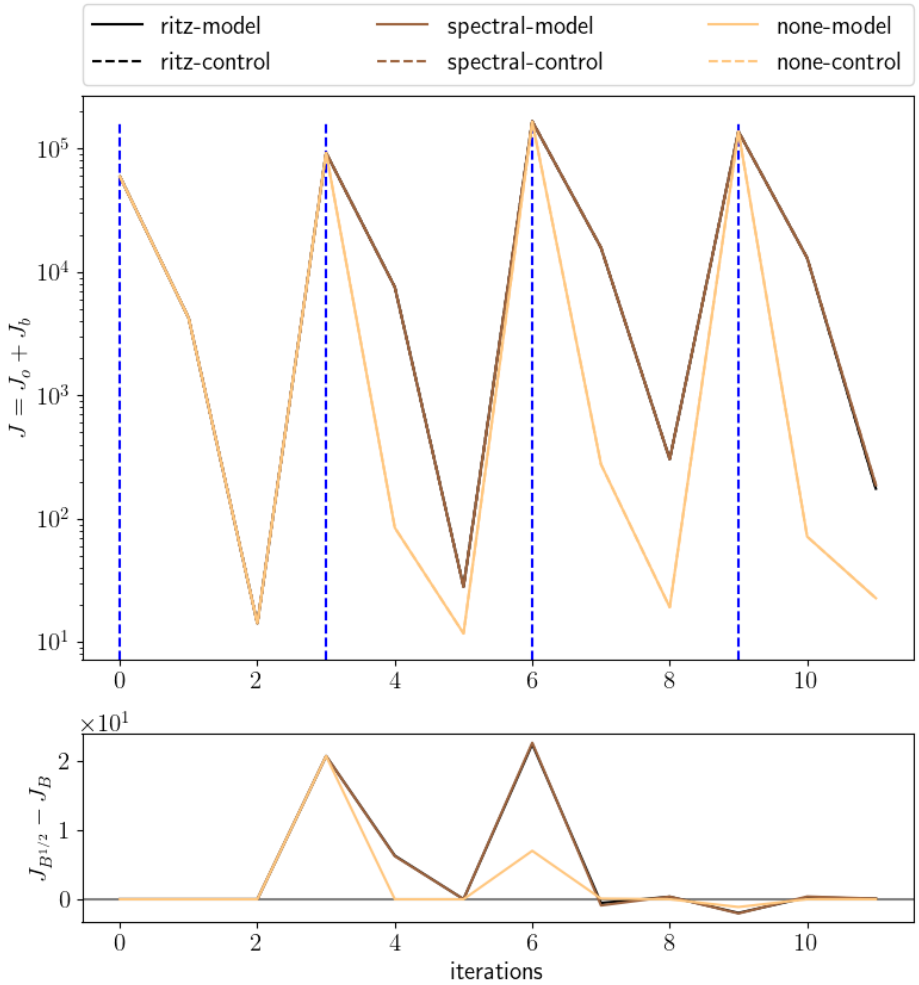
Full resolution example with a more complex example

σ^o :0.1, n :2048



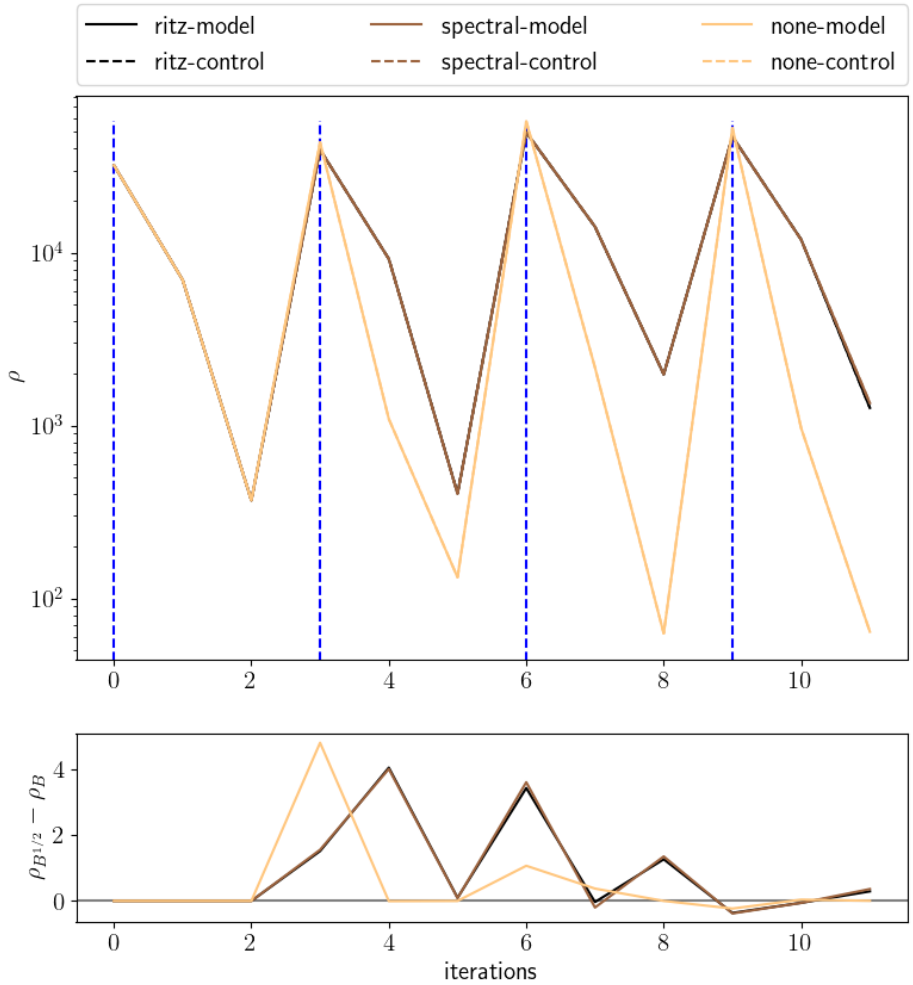
resolution x2

σ^o :0.01, n :128



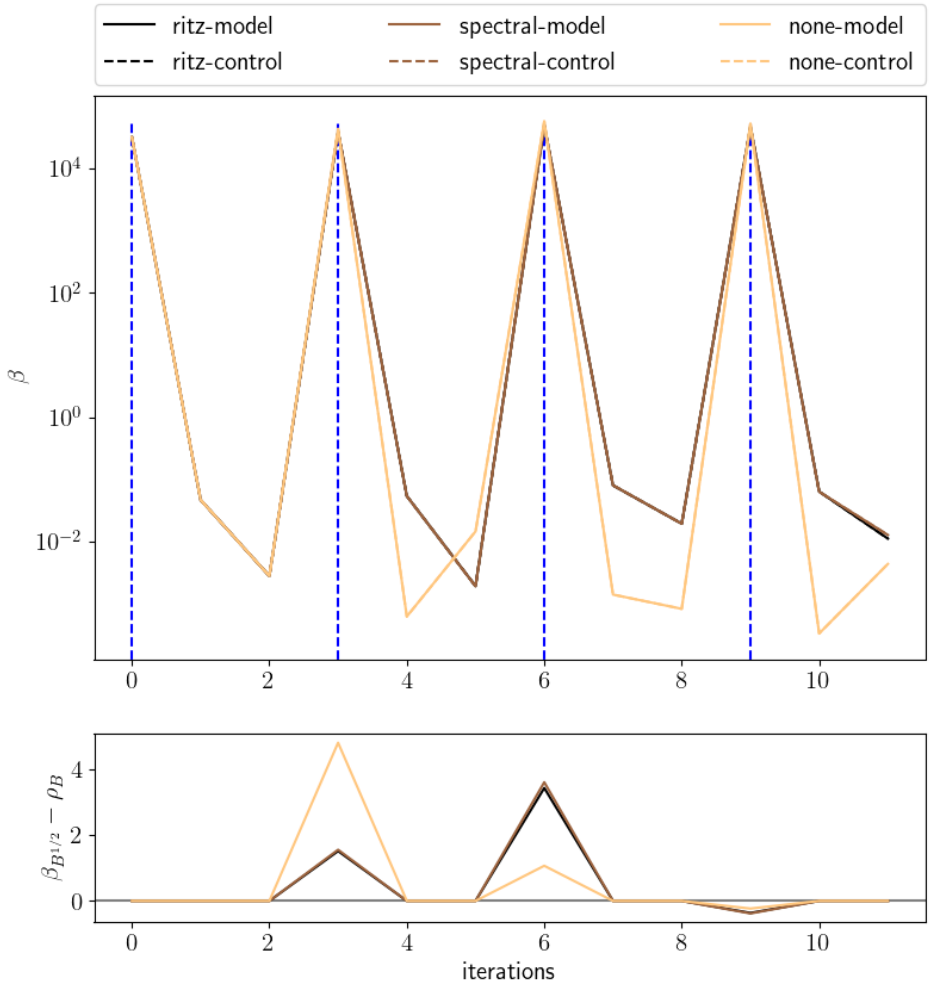
resolution x2 - rho

σ^o :0.01, n :128



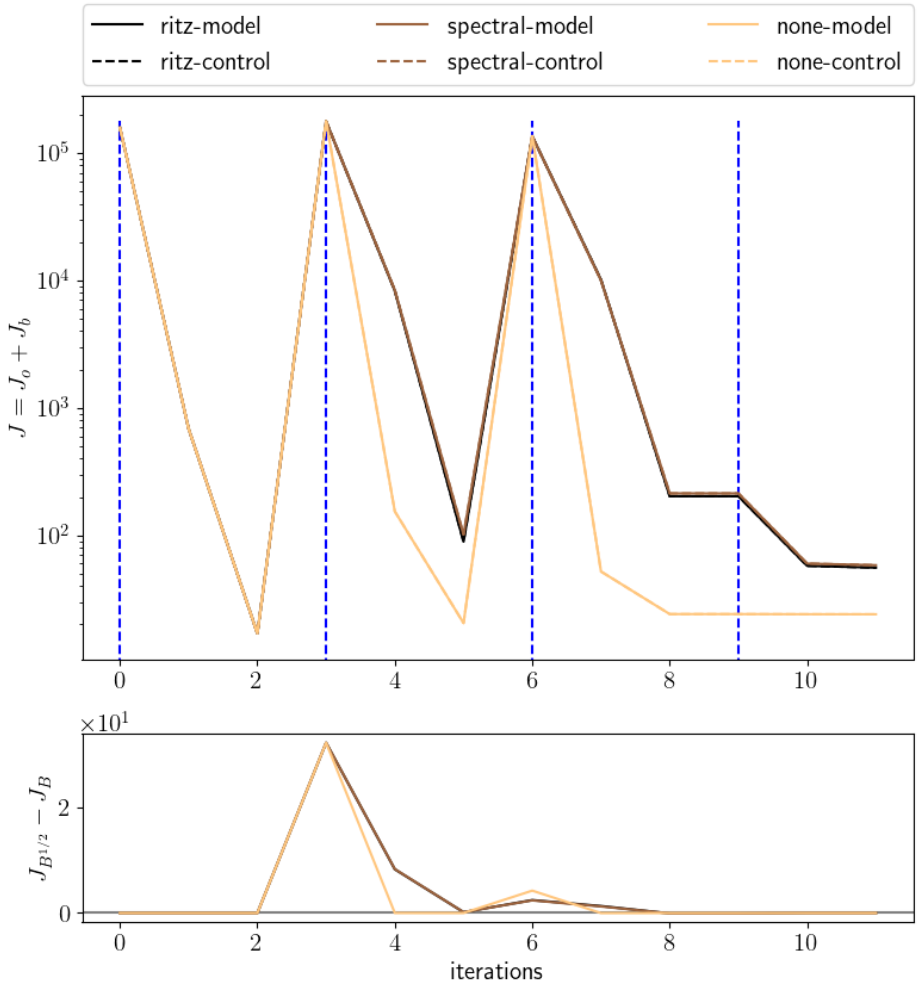
resolution x2 - beta

σ^o :0.01, n :128



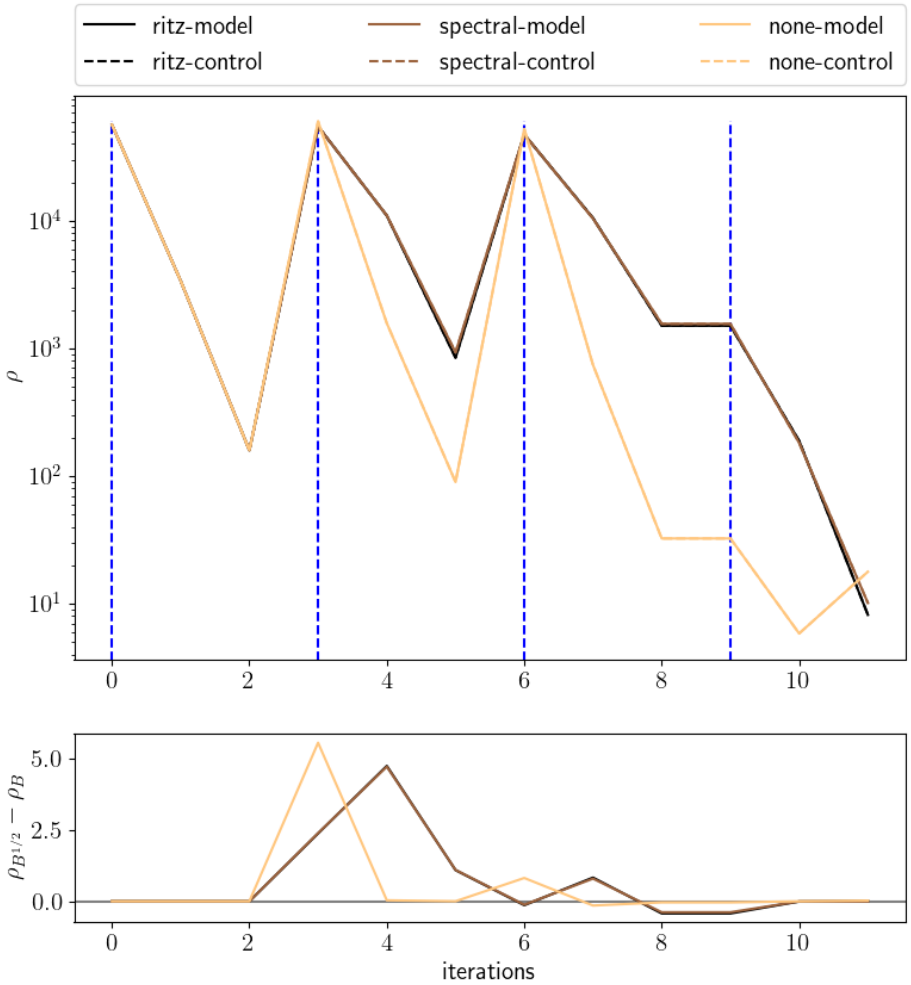
resolution x1.5

σ^o :0.01, n :128



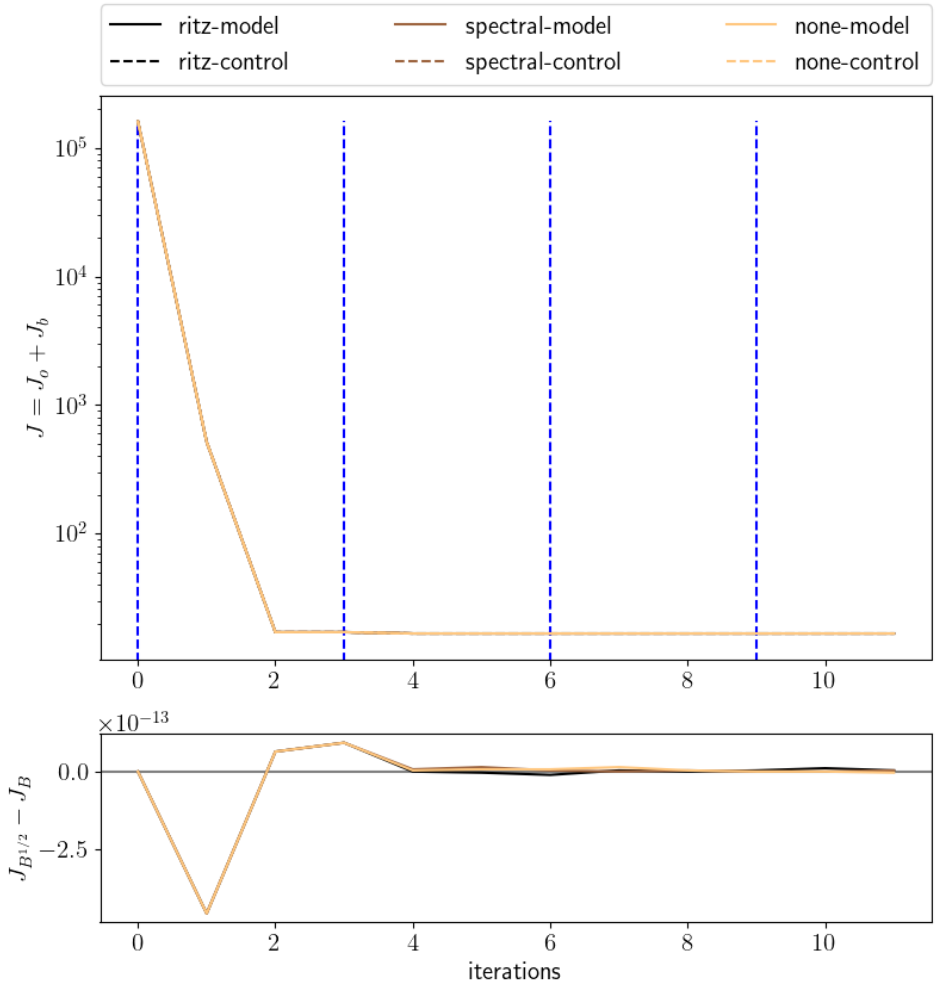
resolution x1.5

σ^o :0.01, n :128



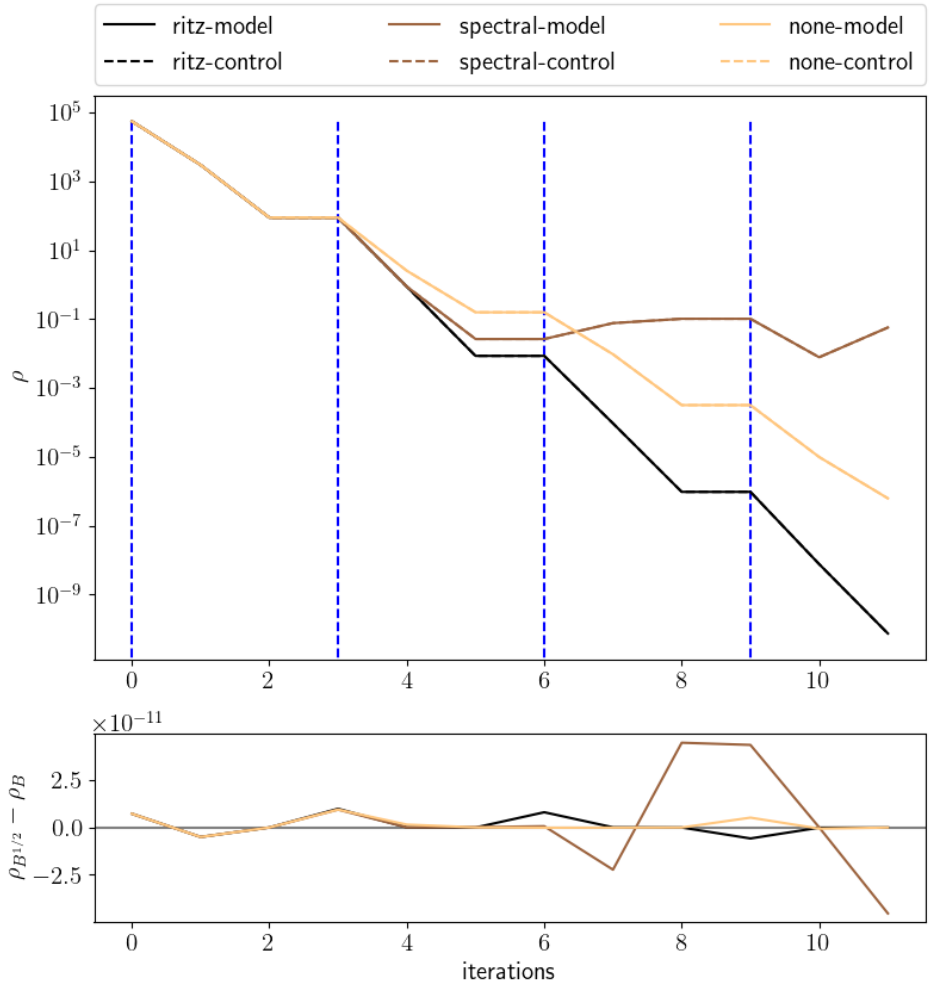
resolution x1.25

σ^o :0.01, n :128



resolution x1.25

σ^o :0.01, n :128



resolution x2 - no spectral interpolation for grid points

σ^o :0.01, n :128