Projet Sundae : Point d'étape

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Content

- Non linearity induced by H operator :
  $(Hx = (1 - \alpha)x + \alpha x^3)$.
- Number of outer loops vs. inner loops.
- Non linearity induced by changing the resolution at outer loop level.
- Varying the projective B matrix option.
- Varying the interpolation method.

Non linearity induced by H operator :

Full resolution, varying α parameter with the same relinearization scheme : $no = 4, ni = 6$,
spectral interpolation and projective B matrix, $\sigma^o = 0.01$

Full resolution ; linear H ; J vs J^{nl}

FIGURE – $\alpha = 0$

FIGURE – $\alpha = 0$

Full resolution ; non linear H ; J vs J^{nl}

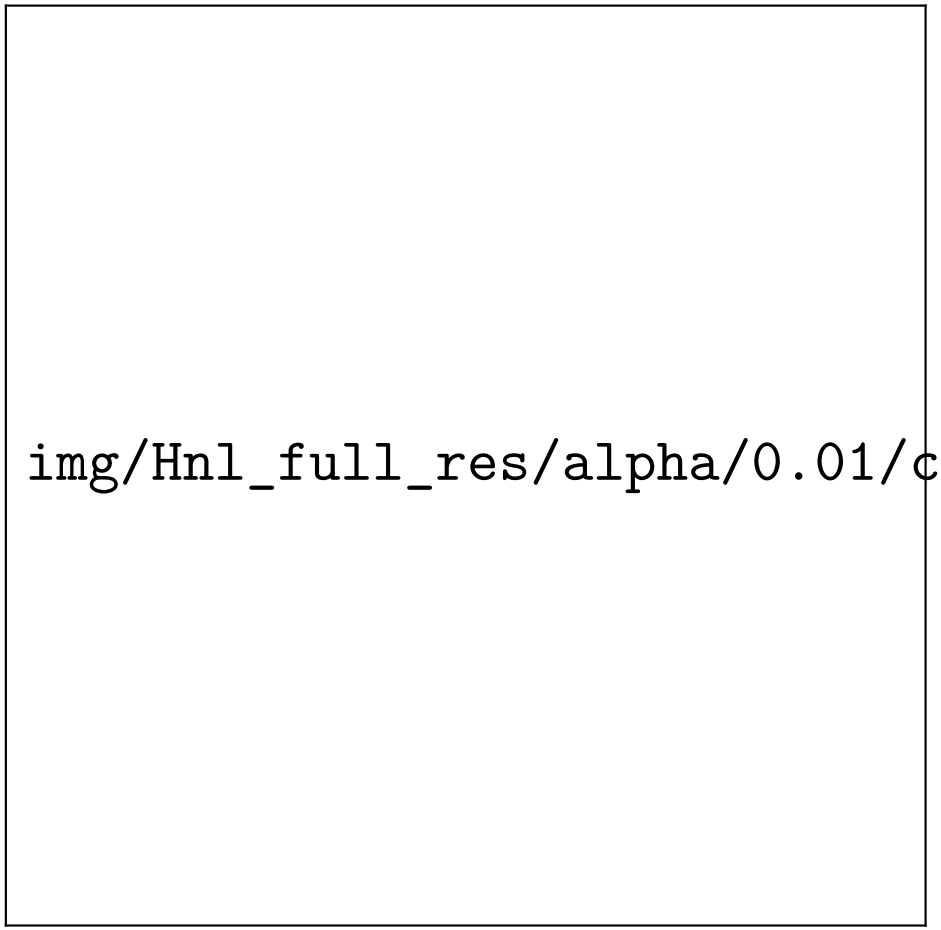

FIGURE – $\alpha = 0.01$

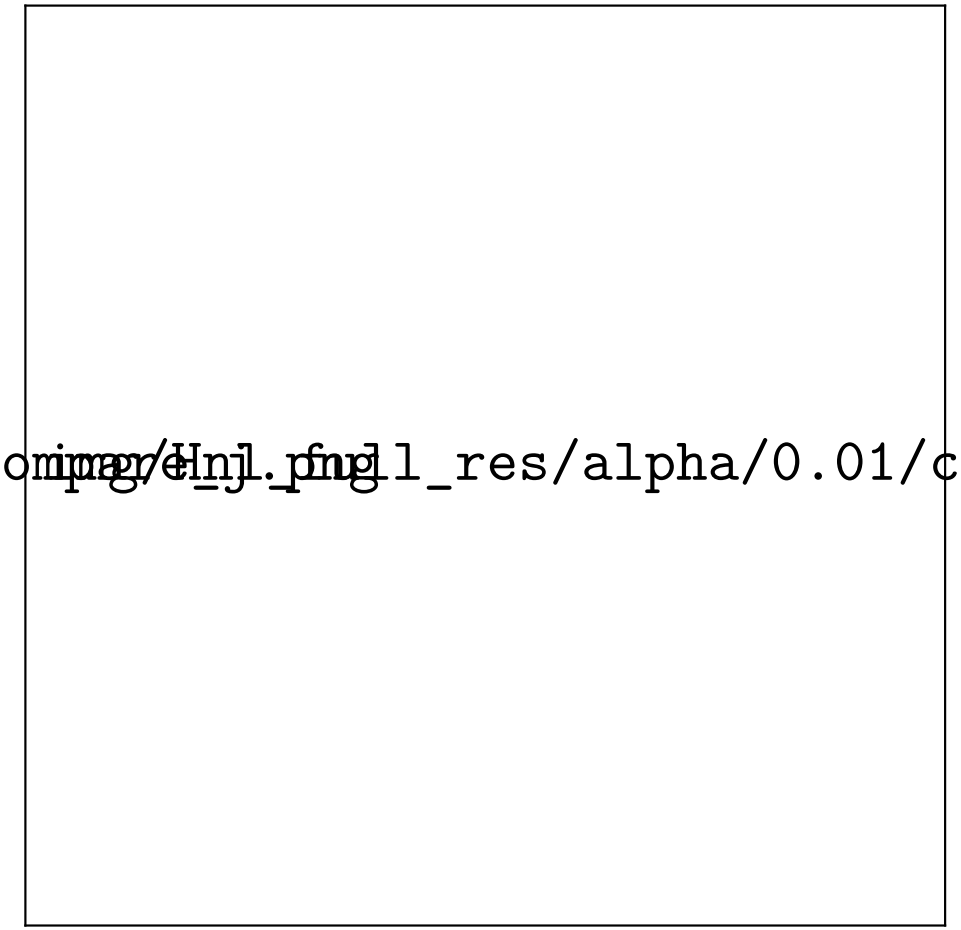

FIGURE – $\alpha = 0.01$