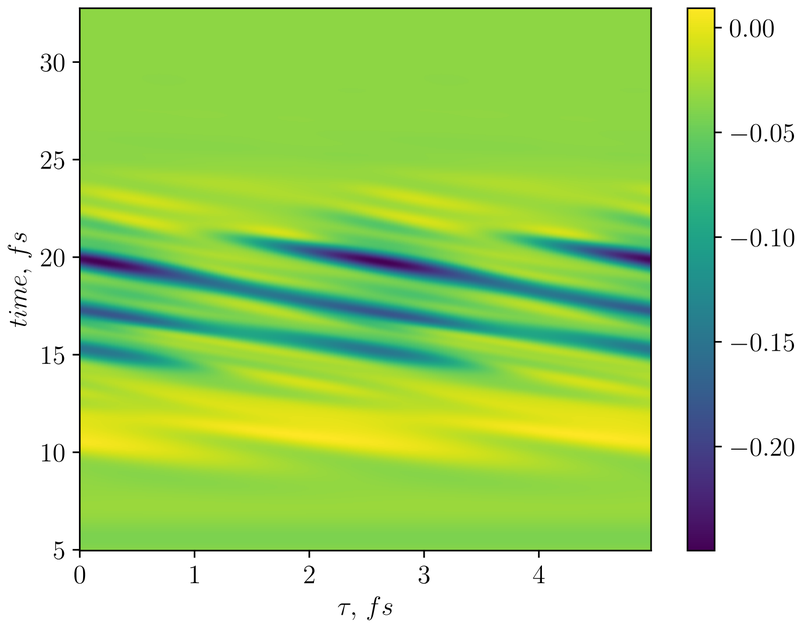
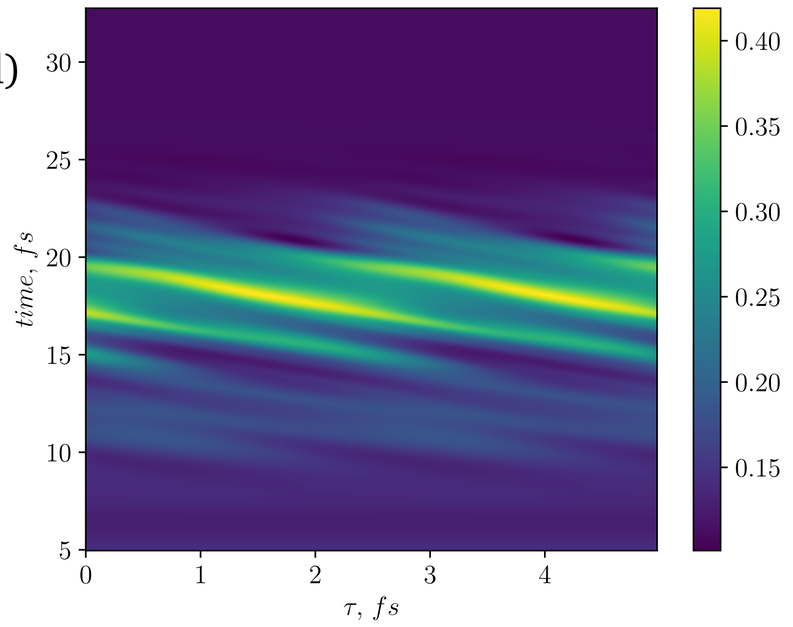
0 to 2pi

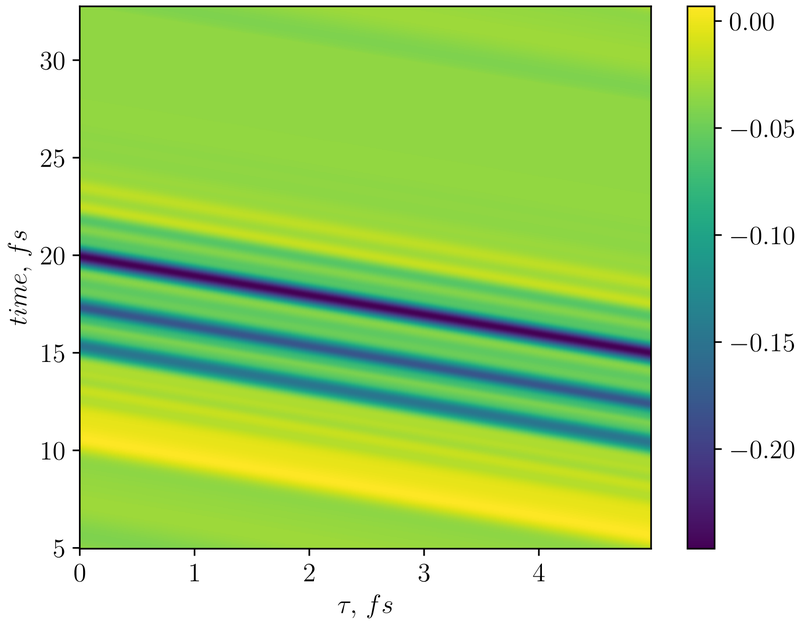
1. ReG< (Original)



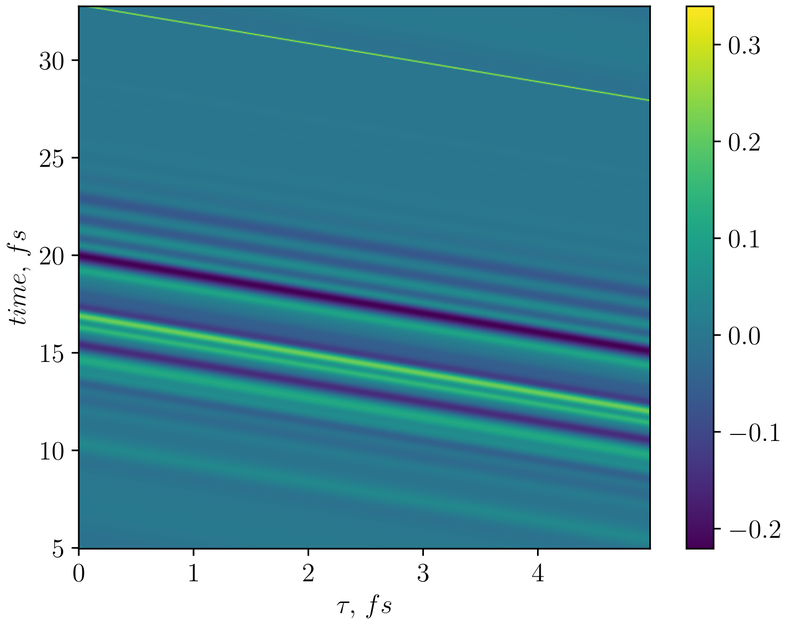
2. ImG< (Original)



3. ReG< (phi=0)

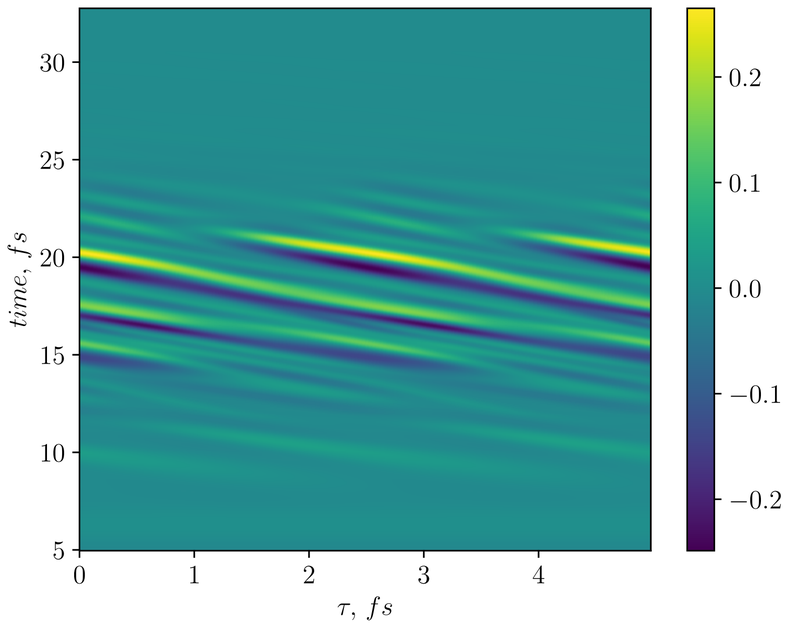


4. ImG< (phi=0)

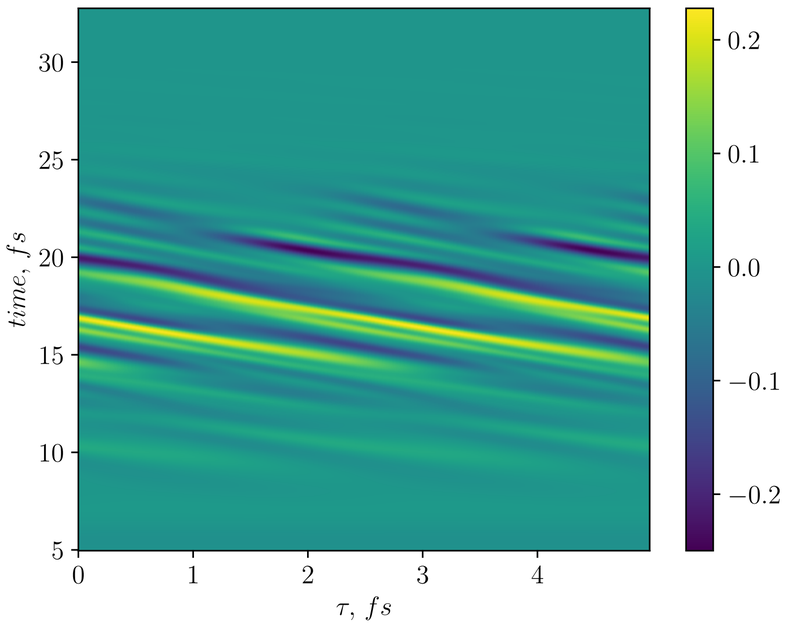


Step 1

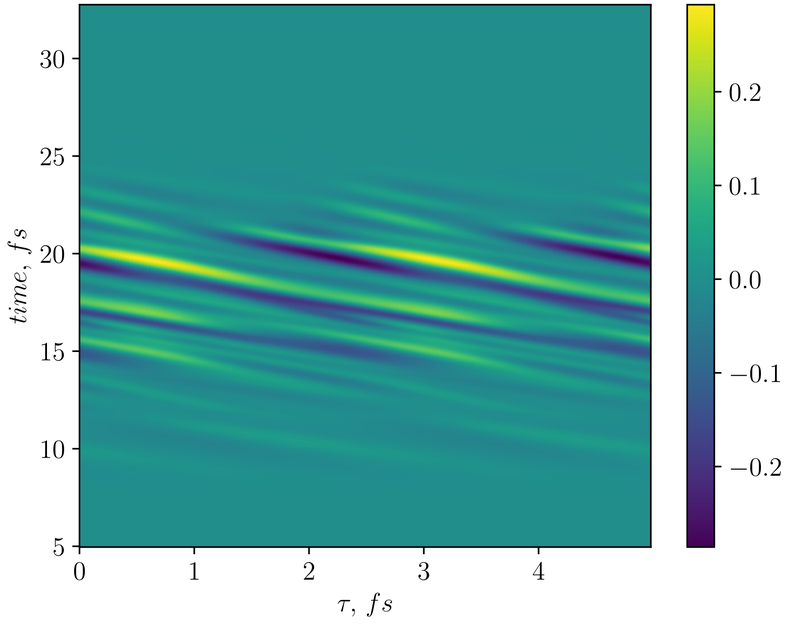
5. Re(dG/dt)



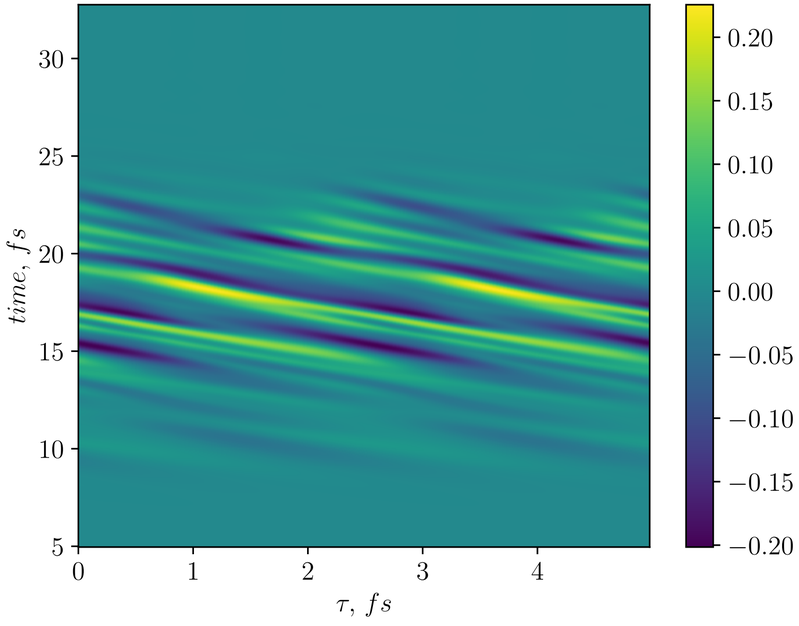
6. Im(dG/dt)



7. Re(dG/dtau)

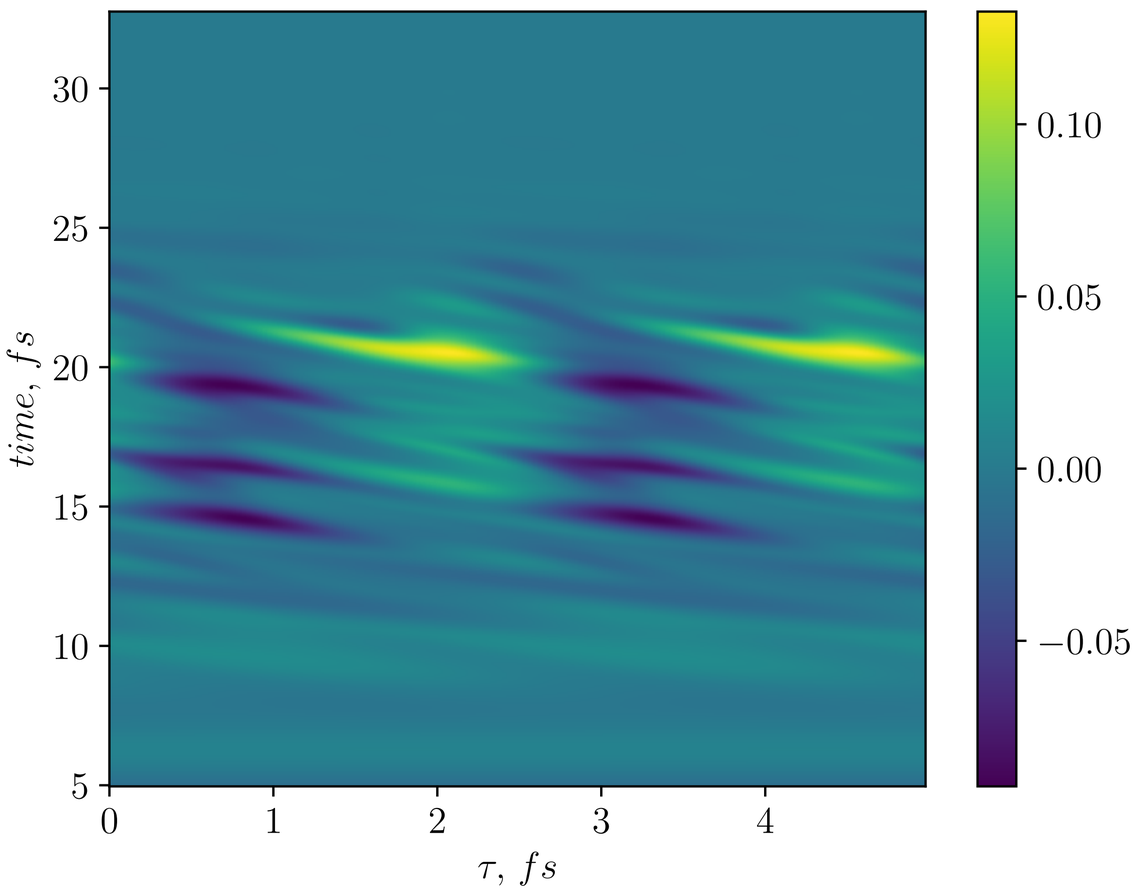


8. Im(dG/dtau)

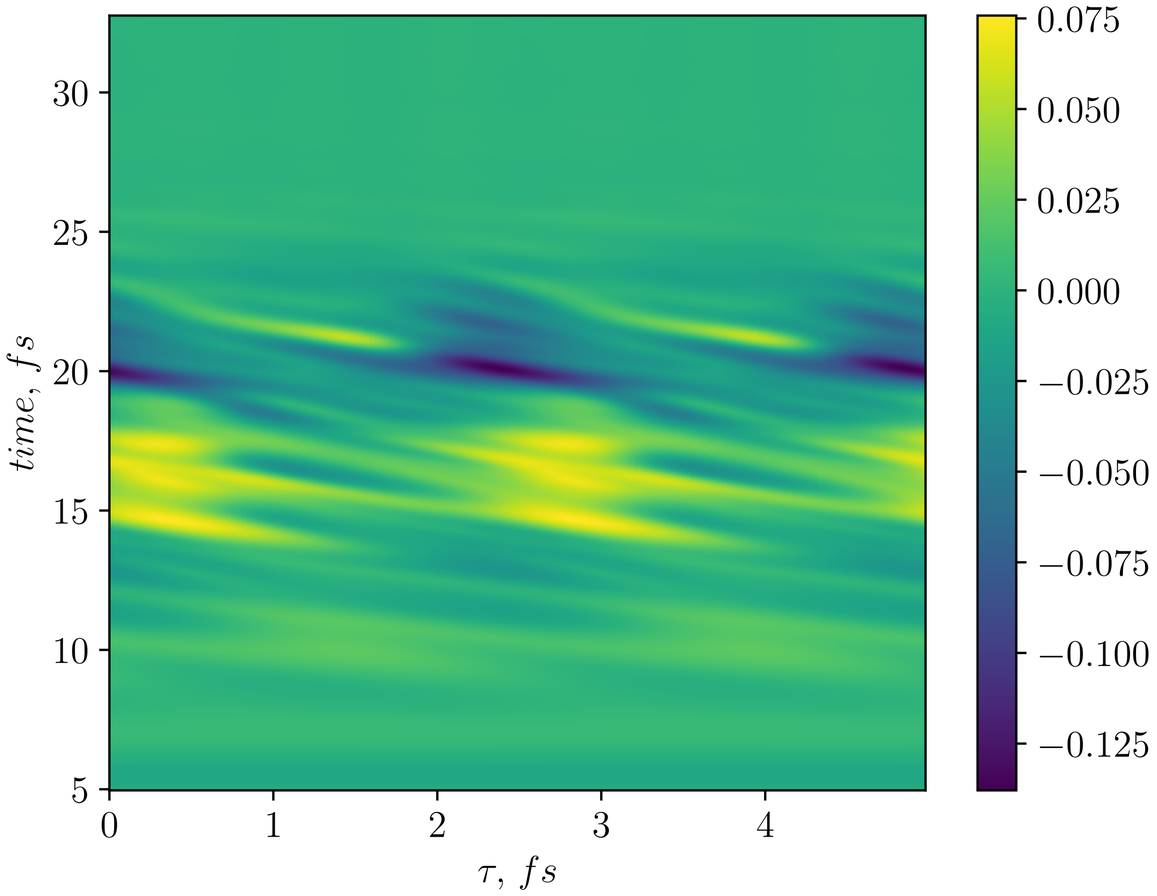


dG/dt - dG/dtau

9. Re

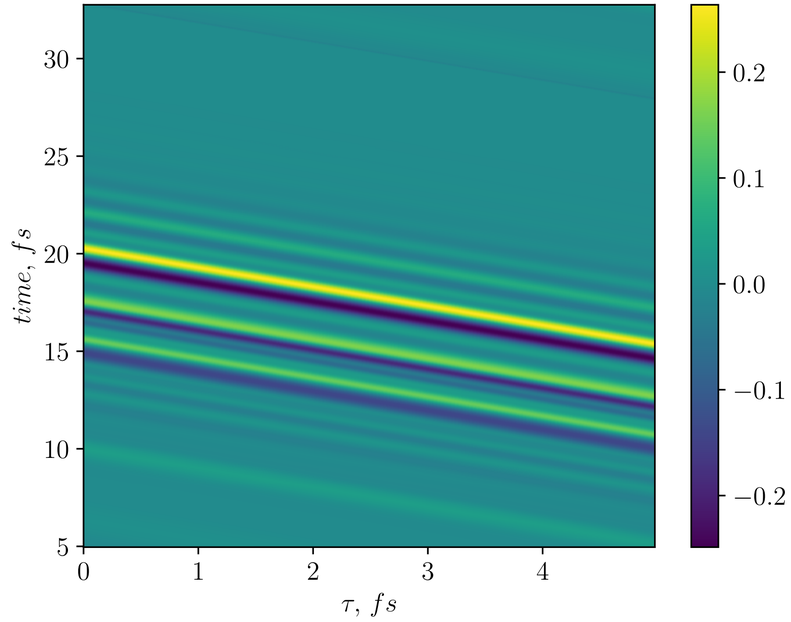


10. Im

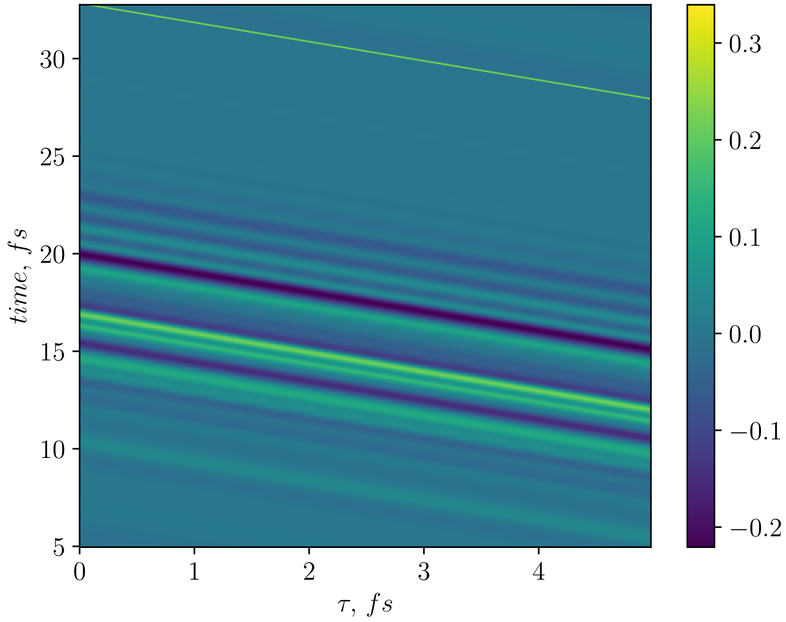


Step 2 (phi=0)

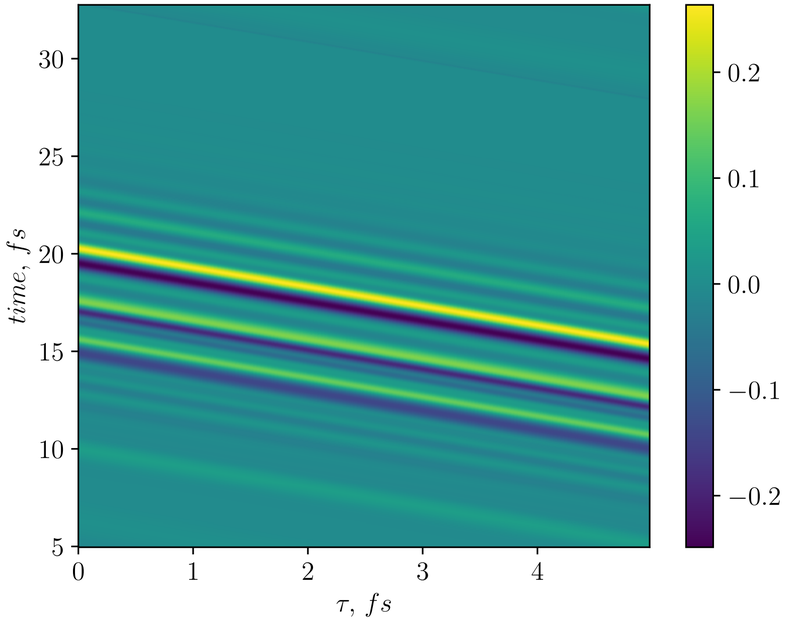
11. Re(dG/dt)



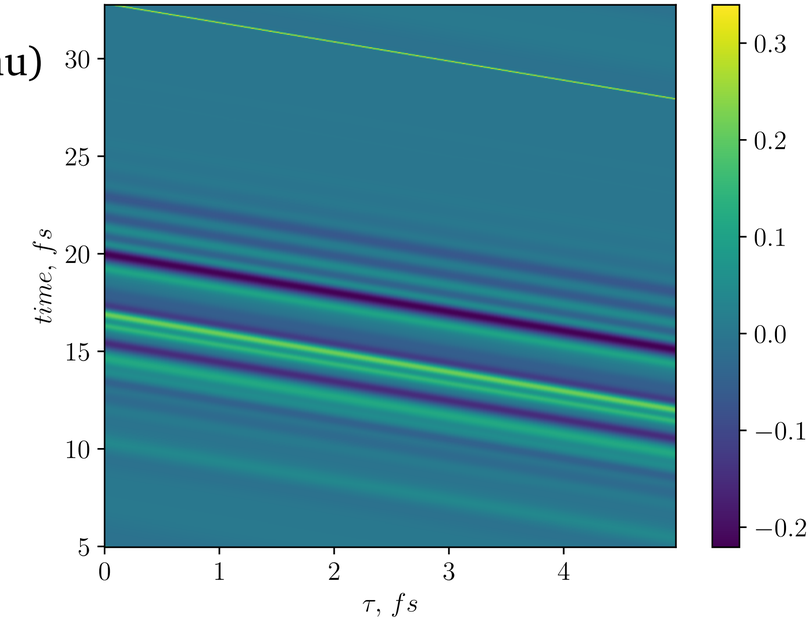
12. Im(dG/dt)



13. Re(dG/dtau)

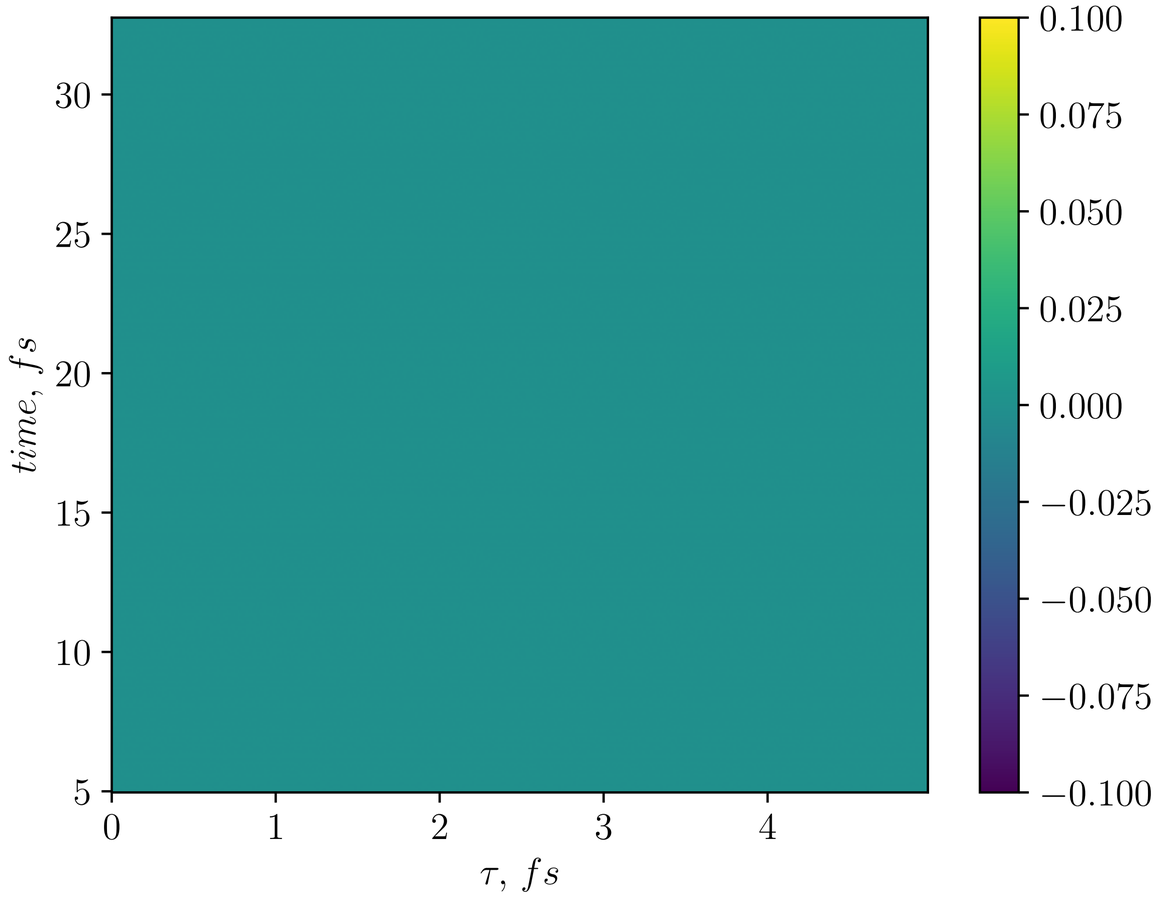


14. Im(dG/dtau)

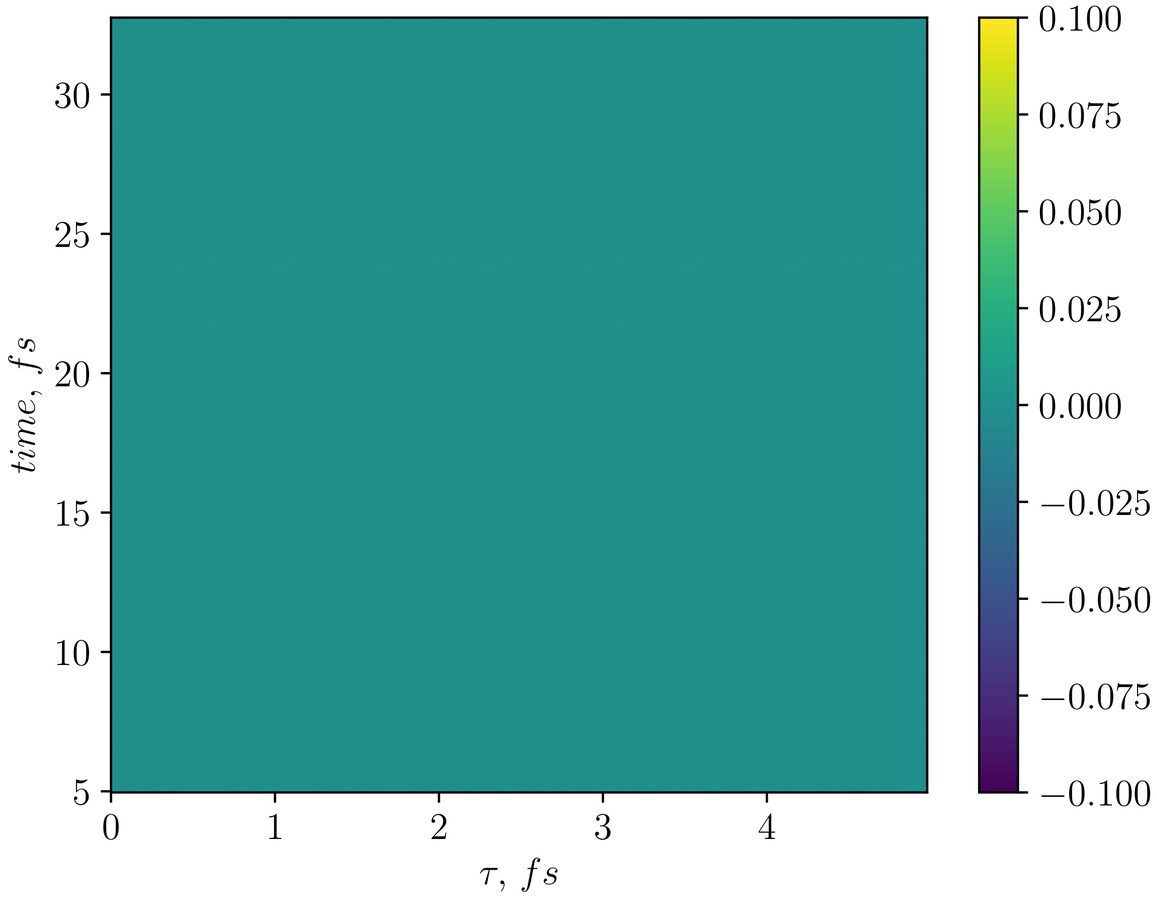


dG/dt(phi=0) - dG/dtau(phi=0)

15. Re

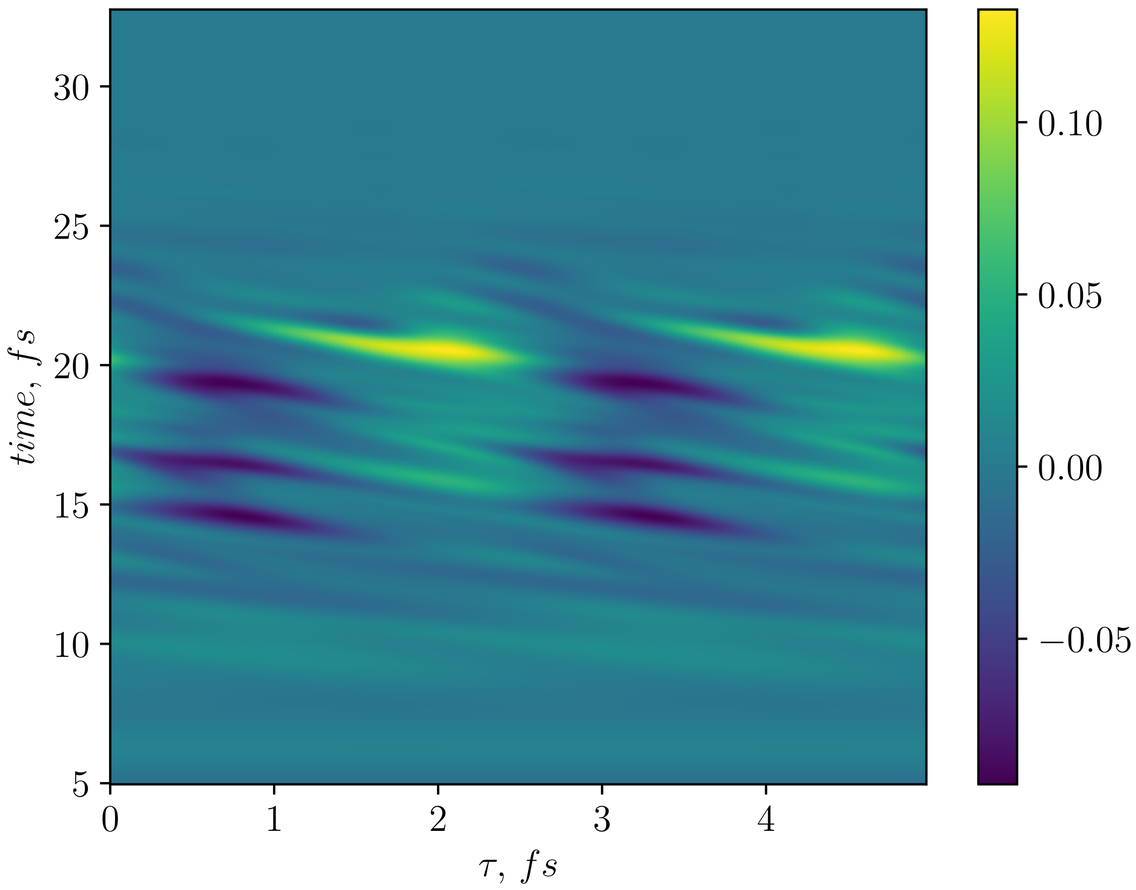


16. Im

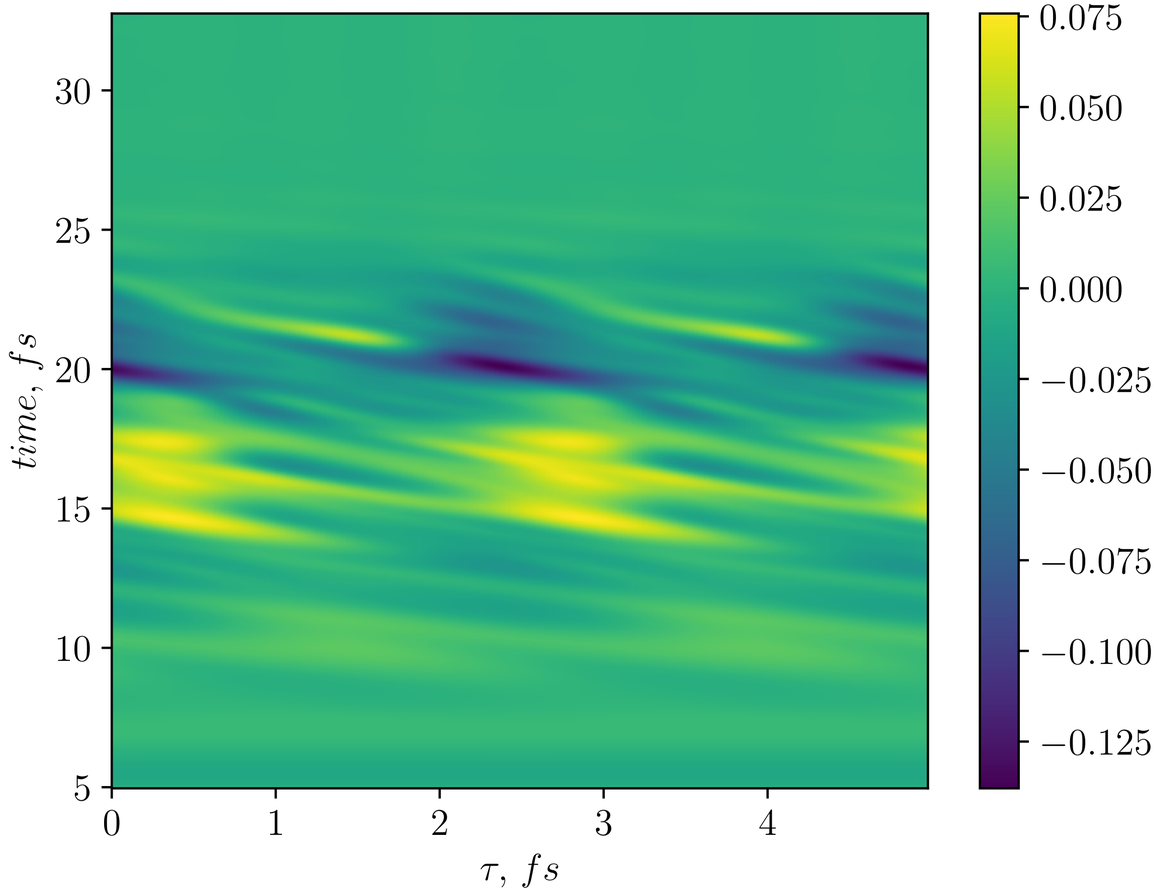


Step 3 (Original - phi0)

17. Re

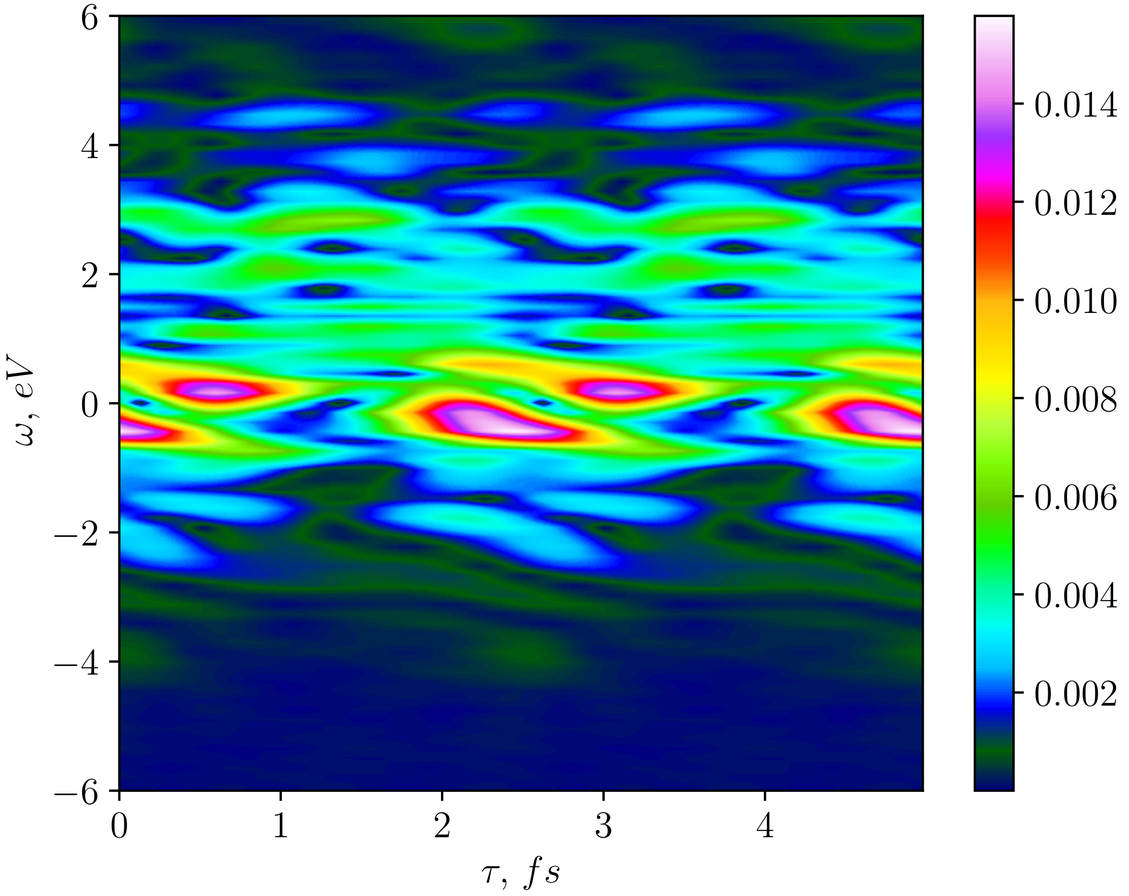


18. Im



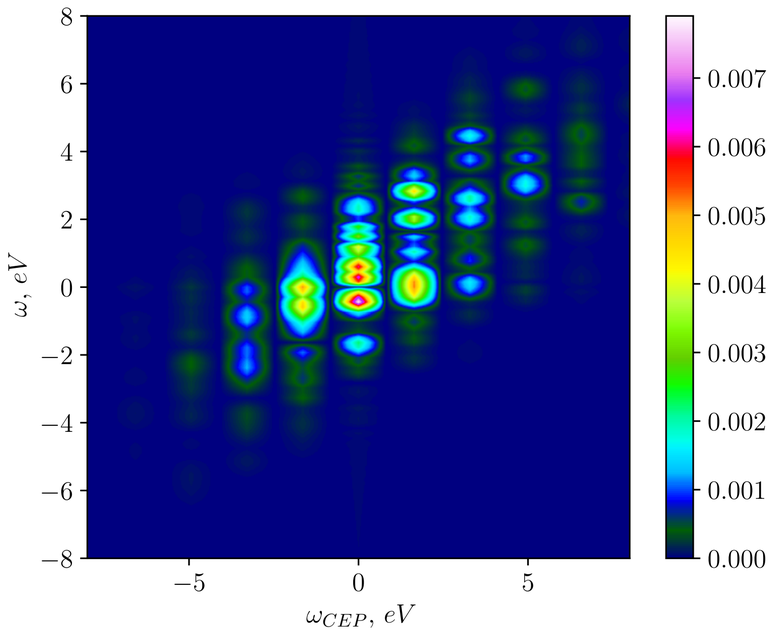
DFT of (Original - phi0) over time

19. LHB

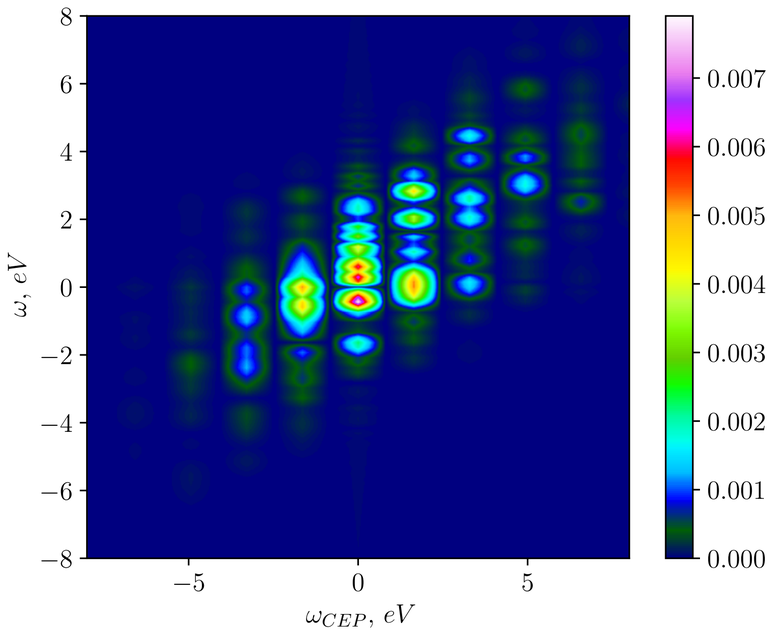


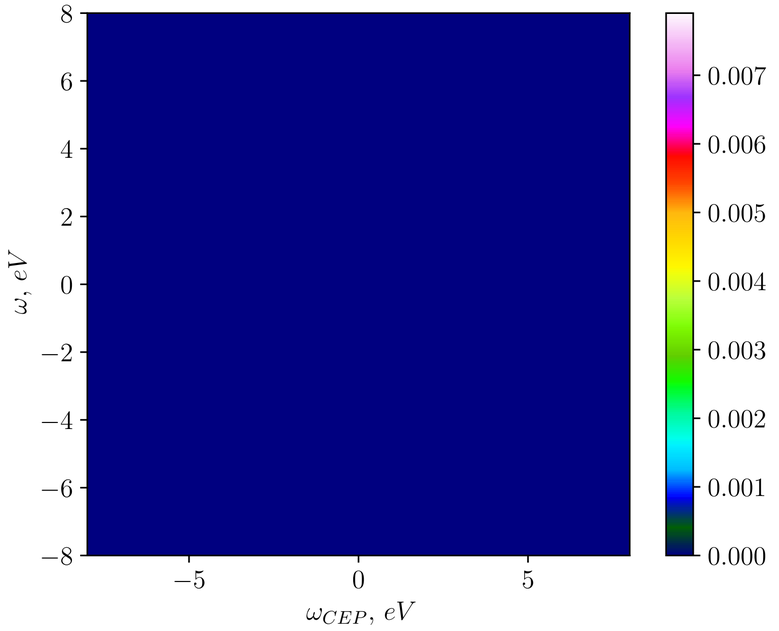
Step 4 (2DDFT) for LHB

20. phi=0



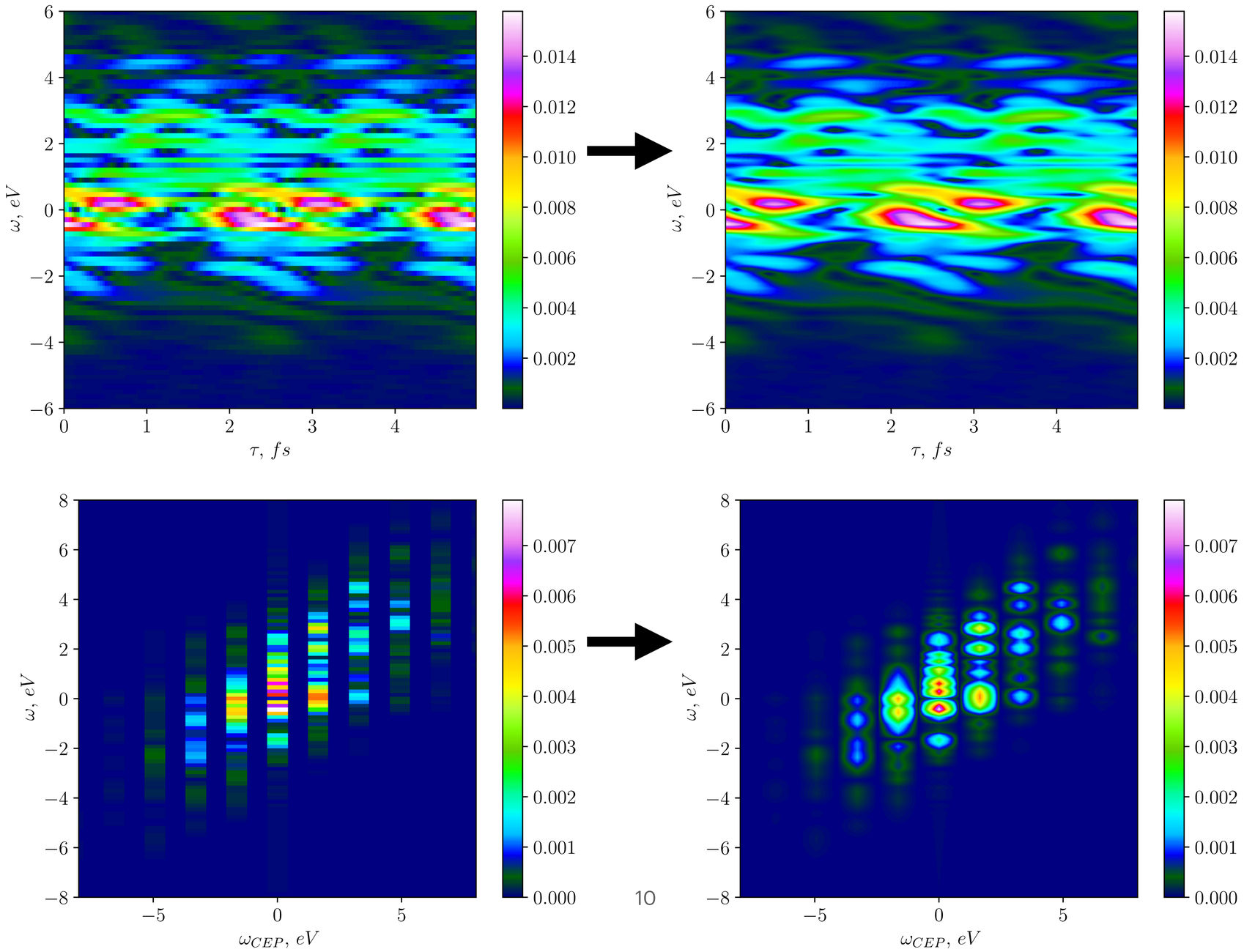
21. phi=pi/2





22. phi(pi/2) - phi(0)

2DDFT formula (np.fft.fft2):

$$A_{kl} = \sum_{m=0}^{M-1} \sum_{n=0}^{N-1} a_{mn} \exp\left\{-2\pi i \left(\frac{mk}{M} + \frac{nl}{N}\right)\right\} \qquad k = 0, \ldots, M-1; \quad l = 0, \ldots, N-1$$

Interpolation test(interpolation='bilinear')