Thank you very much for your attention to our paper and careful reading its text.

"My question was simple: can you provide the wave amplitude equation for a quartet in the (M mode; ω) space?".

Theoretically it can be done. However, if we work with satellite data, only SSHA amplitudes are calculated more or less accurate. Following to Marchesielo et al., 2003[1)] who studied numerically mesoscale variability in the observed area, approximately 30% of kinetic energy corresponded to non-geostrophic motions. Therefore, we cannot find the wave amplitude equation because there is an unknown component of velocity. We explain this on p. 6, lines 14-18.

"I am surprised by the fact that my comment "The formulation of (modulational) resonance in an (M mode; ω) space is not common" was a surprise to the authors."

My apologizes for that, I probably did not understand your question at first. (M-mode*; ω*) space describes the evolution of a signal in a non-rectangular domain while (Fourier mode*; ω*) can only be applied to a rectangular domain. In other aspects, they are equivalent. It was shown for example, in Eremeev et al. (1992)[2)]. We have added this information at lines 12-14, p. 6.

Also, we have changed the paper title and re-written Abstract.

Thank you very much for your criticism.

[1)] Marchesiello, P., J.C. McWilliams, and A. Shchepetkin, 2003: Equilibrium structure and dynamics of the California Current System, *J. Phys. Oceanogr.*, **33**, 753-783.

[2)] Eremeev, V.N., L.M. Ivanov, and A.D. Kirwan, Jr., 1992: Reconstruction of oceanic flow characteristics from quasi-Lagrangian data: 1. Approach and mathematical methods*, J. Geophys. Res.,* **97**, C6, 2156-2202, DOI 10.1029/92JC00356.