Supplementary Figure S1. Examples of the real part of the bispectrum. These examples correspond to the imaginary parts show in Fig. 4 in the main document. (a) Real part of a bispectrum of the Middle and Late Pleistocene “~110-kyr world”. Min value = \(-146 \times 10^3 \text{ kyr}^{-2}\). Max value = \(397 \times 10^3 \text{ kyr}^{-2}\). (b) Real part of a bispectrum of the mid-Pleistocene transition “~80-kyr world”. Degrees of freedom = 2. Min value = \(-108 \times 10^3 \text{ kyr}^{-2}\). Max value = \(112 \times 10^3 \text{ kyr}^{-2}\). (c) Real part of a bispectrum of the Pliocene and Early Pleistocene “40-kyr world”. Min value = \(-63 \times 10^3 \text{ kyr}^{-2}\). Max value = \(14 \times 10^3 \text{ kyr}^{-2}\). Note the different scaling of the z-axes between panel (a), (b), and (c). Computational settings as in Figure 4 (see main document). These bispectra are computed on the LR04 stack (see Methods) (Lisiecki and Raymo, 2005).
Supplementary Figure S2. Integration over the real part of the bispectrum. This Figure corresponds to Figure 5b in the main document. Computational settings as in Figure 5b (see main document).
Supplementary Figure S3. Conservative net energy transfers during the Pliocene and Pleistocene, computed by integrating over the entire imaginary part of the bispectrum (see Methods). Input data is the resampled LR04 stack (Lisiecki and Raymo, 2005). (a) Window length = 500 data points (500 kyr), step-size = 50 data points (50 kyr). No blocks. No frequency merging. Frequency resolution = 2.00 Myr$^{-1}$. Degrees of freedom = 2. (b) As in Figure 5b (see main document). Window length = 668 data points (668 kyr), step-size = 50 data points (50 kyr). No blocks. No frequency merging. Frequency resolution = 1.50 Myr$^{-1}$. Degrees of freedom = 2. (c) Window length = 1,000 data points (1,000 kyr), step-size = 50 data points (50 kyr). No blocks. No frequency merging. Frequency resolution = 1.00 Myr$^{-1}$. Degrees of freedom = 2.
**Supplementary Figure S4.** Conservative net energy transfers during the Pliocene and Pleistocene over specific zones in the imaginary part of the bispectrum (see Methods). Computational settings as in Figure S3a (i.e., window length = 500 data points). **(a)** Zone 1. **(b)** Zone 2. **(c)** Zone 3. **(d)** Zone 4. **(e)** Zone 5. **(f)** Zone 6. **(g)** Zone 7. **(h)** Zone 8. See also Figure 3 and Table A1 (main document).
Supplementary Figure S5. Conservative net energy transfers during the Pliocene and Pleistocene over specific zones in the imaginary part of the bispectrum (see Methods). Computational settings as in Figure S3c (i.e., window length = 1,000 data points). (a) Zone 1. (b) Zone 2. (c) Zone 3. (d) Zone 4. (e) Zone 5. (f) Zone 6. (g) Zone 7. (h) Zone 8. See also Figure 3 and Table A1 (main document).
References