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Spectral reconstruction of protein contact networks

Enrico Maiorino, Antonello Rizzi, Alireza Sadeghian, Alessandro Giuliani

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*Highlights (for review)

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Highlights:

- Protein contact networks (PCN) have a characteristic Laplacian spectral density
- We defined a procedure to generate networks with the same spectral density
- The new networks (LMGRS-GEN) are topologically similar to PCN
- Short-range eigenvalues correlations of LMGRS-GEN are compatible with PCN

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