The influence of lattice dynamics on the electronic spectrum of CoSb$_3$

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**Fig 1** Electronic band structure N(E, k) averaged along molecular dynamics trajectory at 700 K. The corresponding band structure at 0 K is shown by red solid line. For clarity only several bands are presented.

**Fig 2** Electronic band structure N(E, k) averaged along molecular dynamics trajectory at 500 K. Lattice parameter was fixed at those at 300 K. The corresponding band structure at 0 K is shown by red solid line. For clarity only several bands are presented.
Fig 3 Electronic band structure N(E, k) averaged along molecular dynamics trajectory at 700 K. Lattice parameter was fixed at those at 300 K. The corresponding band structure at 0 K is shown by red solid line. For clarity only several bands are presented.

Fig 4 Electronic band structure of CoSb$_3$ supercell at T = 0 K for three experimental lattice parameters (at different temperatures). For clarity only several bands are presented. Note, that energy difference between CBM1 and CBM2 increases with lattice expansion.