hello world Reference A [1]. Reference B [2].

<sup>[1]</sup> Piotr Czarnik and Jacek Dziarmaga, "Variational approach to projected entangled pair states at finite temperature," Phys.

Rev. B **92**, 035152 (2015).

[2] Piotr Czarnik, Lukasz Cincio, and Jacek Dziarmaga, "Projected entangled pair states at finite temperature: Imaginary time evolution with ancillas," Phys. Rev. B **86**, 245101 (2012).