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Audio test:



Lecture: Phase Transformations of Materials

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Examples of phase diagrams

- See references [1], [5],[12],[14],[16]

- See articles:

- [1] J. Sopoušek, J. Pinkas, P. Brož, J. Buršík, V. Vykoukal, D. Škoda, A. Stýskalík, O. Zobač, J. Vřešťál, A. Hrdlička, J. Šimbera, Ag-Cu Colloid Synthesis: Bimetallic Nanoparticle Characterisation and Thermal Treatment, *Journal of Nanomaterials*. 2014 (2014) 1–13. <https://doi.org/10.1155/2014/638964>. [2] V. Bernard, O. Zobač, M. Vlková, V. Mornstein, J. Sopoušek, AgCu bimetallic nanoparticles modified by polyvinyl alcohol – the cells viability study in vitro., *Lek. Tech.* 48 (2018) 5–10. [3] Buršík J., Sopoušek J., Zálešák J., Analytical Electron Microscopy of Lead-free Nanopowder Solders, 2nd NANOCN International Conference. (2010) 336–339. [4] J. Sopoušek, A. Kryštofová, M. Premović, O. Zobač, S. Polsterová, P. Brož, J. Buršík, Au-Ni nanoparticles: Phase diagram prediction, synthesis, characterization, and thermal stability, *Calphad*. 58 (2017) 25–33. <https://doi.org/10.1016/j.calphad.2017.05.002>. [5] O. Zobač, J. Sopoušek, A. 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Discussion