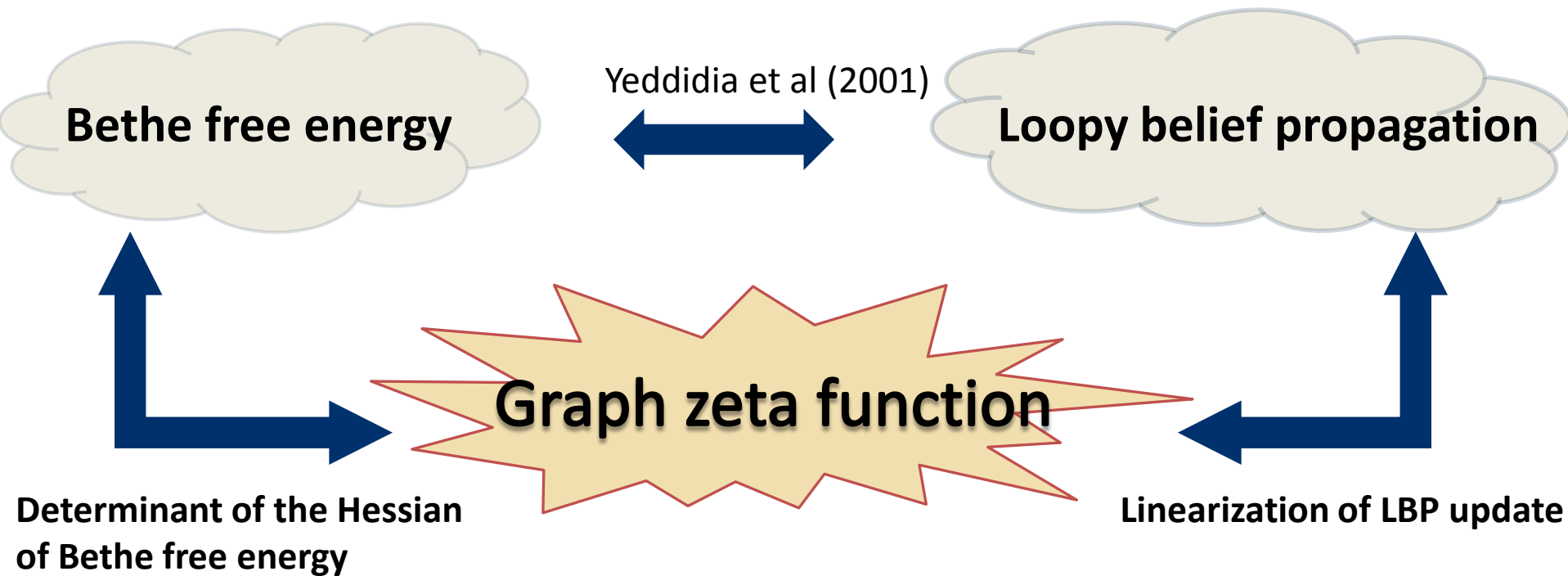




Graph Zeta Function in the Bethe Free Energy and Loopy Belief Propagation

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Yusuke Watanabe & Kenji Fukumizu



Applications to...

- Positive-definite condition, convexity condition of BFE
- Relations between stability of LBP and Hessian of BFE
- Uniqueness of LBP fixed point