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Dynamic critical temperature in $\text{Mn}^{\text{II}}\text{Fe}^{\text{III}}$ bimetallic oxalates

Jinhua Huang, Xiaoling Shi, Zhaoyuan Song, Yingguo Shi

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Highlights

- $\text{Mn}^{\text{II}}\text{Fe}^{\text{III}}$ bimetallic oxalates is studied by the effective-field theory.
- The dynamic phase boundaries in $D_A/|J_1| - T/|J_1|$ and $T/|J_1| - h_0/|J_1|$ planes are obtained.
- The compounds show uncompensated magnetization in antiferromagnetic phase.
- The system exhibits a two-compensation-temperature phenomenon.

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