

GMI effect in amorphous and nanocrystalline magnetic materials

Nghi N.H., Hong N.M., Vinh T.Q., Dung N.V., Hong P.M.

Institute of Engineering Physics, Hanoi University of Technology, 1 Dai Co Viet Street, Hanoi, Viet Nam;
Institute of Materials Science, NCST, 18 Hoang Quoc Viet Str., Hanoi, Viet Nam; Faculty of Technology,
State University of Hanoi, 344 Xuan Thuy Road, Hanoi, Viet Nam

Abstract: The giant magnetoimpedance (GMI) effect in amorphous and nanocrystalline magnetic materials was presented. The Co-based ribbons, showing high magnetoimpedance effect were obtained by the rapid quenching in air. The ribbons were used as GMI sensors in a simple Colpitts generator circuit for magnetic field measurement.

Author Keywords: Amorphous materials; Colpitts generator; Magnetoimpedance; Nanocrystalline

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Correspondence Address: Nghi, N.H.; Institute of Engineering Physics, Hanoi University of Technology, 1 Dai Co Viet Street, Hanoi, Viet Nam; email: nghi10000@yahoo.com

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Authors with affiliations:

1. Nghi, N.H., Institute of Engineering Physics, Hanoi University of Technology, 1 Dai Co Viet Street, Hanoi, Viet Nam
2. Hong, N.M., Institute of Materials Science, NCST, 18 Hoang Quoc Viet Str., Hanoi, Viet Nam

3. Vinh, T.Q., Faculty of Technology, State University of Hanoi, 344 Xuan Thuy Road, Hanoi, Viet Nam
4. Dung, N.V., Institute of Engineering Physics, Hanoi University of Technology, 1 Dai Co Viet Street, Hanoi, Viet Nam
5. Hong, P.M., Faculty of Technology, State University of Hanoi, 344 Xuan Thuy Road, Hanoi, Viet Nam

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