

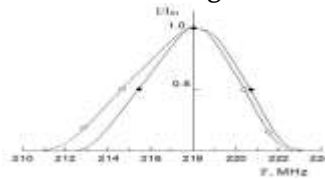
Investigation of the pinning and mobility of domain walls in cobalt micro- and nanowires by the nuclear spin echo method

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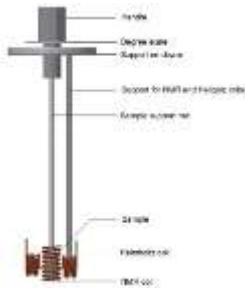
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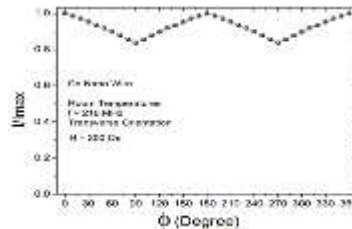
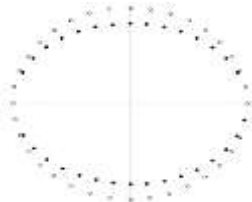
The dynamics of domain walls in magnetic cobalt microwires synthesized using electroless technology was studied by the nuclear spin echo method of ⁵⁹Co nuclei located at the centers of the domain walls of the FCC cobalt phase under the influence of an additional magnetic video pulse.



5b.1. Co-W Composite NMR Echo Signal Spectrum at Liquid Nitrogen Temperature.
 o - Co-4%W Composite; • - Co-8%W Composite.



5b. 2. Magnetic video-pulse generation device.



5b.7. Impact of magnetic video-pulse showing anisotropy.

References

1. G.I.Mamniashvili, T.O.Gegechkori, A.M.Akhalkatsi, T.A.Gavasheli, E.R.Kutelia, L.G.Rukhadze, D.I.Gventsadze. "Timing and spectral diagrams of magnetic video-pulse excitation influence on NMR spin-echo in magnets". J. Supercond. Nov. Magn. Vol. 26, N4, pp. 1401-1404 (2013).