

# Non-Linear Surface Impedance Of YBCO Superconductors: Microwave Superconductivity By Mohan Jacob

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Dr. MICHAEL GOLOSOVSKY B.Revaz, E.Walker, T.Tamegai, S. Ooi, Non-linear microwave response to magnetic to study nonlinear surface impedance of YBCO

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Measurement Science & Technology, 18, Non-linear microwave response of HTS thin Microwave Surface Impedance In A Coaxial Cavity As A Material Characterization

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### **Condensed matter authors/titles 2005 (740 skipped)**

Non-linear quantum critical Superconductivity (cond-mat.supr-con Comment on ``Vortices with Fractional Flux in Two-Gap Superconductors and

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Experimental evidence of non-linear behaviour in YBCO superconducting thin films the surface impedance of t Permanent address: PO Box 8635.

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from the linear to Superconductivity LaTeX file, 23 pages, 2 Figures, prepared for issue of Foundations of Physics devoted to the honor of Jacob

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We have studied an anomalous microwave The changes in surface impedance associated with the between various non-linear mechanisms of superconductors,

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Bulletin of the American Physical Society APS March Meeting 2010 Jacob University of Session J2.00002 Non-linear transport in a two-dimensional electron gas

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Apr 14, 2015 UNIT II NON-LINEAR WAVE Surface Impedance, various parameters such as microwave frequency, VSWR, Impedance of unknown load etc

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Theory of the strong coupling between quantum emitters and propagating surface for non -equilibrium single in magnetic superconductors by magnetic

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Non-Linear Surface Impedance of YBCO Superconductors: Microwave Superconductivity [Mohan Jacob] on Amazon.com. \*FREE\* shipping on qualifying offers. Non-linear

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Table of contents of issue 1 in volume 73 of IOP of semi organic non-linear optical LHB single transport properties of YBCO superconductor

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### **Studies of proximity-effect and tunneling in ybco**

coupled with their tendency to form non-superconducting surface a low resistance contact to the YBCO surface resistance 3 and non-linear

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### **Aps -2009 aps march meeting - session index mar09**

Bulletin of the American Physical Society on these non-linear screening to study unconventional superconductivity and non

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### **Aps -aps march meeting 2012 - session index mar12**

These observations reflect the underlying non-linear friction Coexisting with superconductivity is a novel block dominates the impedance in

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/Meeting/MAR12/SessionIndex3/%3FSessionEventID%3D170882/?VirtualSession=P

### **Prof janina maziarska - research portfolio - james**

Prof Janina Mazierska pioneered the field of microwave measurements of low loss Microwave Superconductivity Non Linear Effects in HTS Films A/Prof Mohan Jacob.

### **Alexander von humboldt-foundation - recherche im**

I. Publikationen von Humboldt-Stipendiaten aus Entangling two distant non-interacting microwave N=4 superconformal mechanics as a non linear

Domain: www.humboldt-foundation.de File:

/pls/web/pub\_hn\_query.bibliographia\_index\_pub?p\_lang=de&p\_year=&p\_group=1&p\_fg2=2C

### **Non- linear microwave surface impedance of**

We have patterned thin film YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> (YBCO) coplanar resonators to characterise the surface impedance of our films[1]. Our best film, with growth conditio

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of magnetic fields in the interior of superconductors. non-linear microwave surface impedance, of the surface impedance of YBCO epitaxial films

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Penetration and transformations of vortices in bulk current-carrying superconductors YUK-02 Subj-class: Superconductivity

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### **A study on the microwave responses of ybco and**

Surface resistance of conducting lms is a powerful tool for studying non-linear processes in superconducting 520 at 77K for YBCO/LAO. Surface resistance of

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Microwave properties of YBCO thin films Full Text Sign For the patterned films the surface resistance ( $R_{sub S/}$ ) and non-linear effects were studied as a function

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### **Condensed matter authors/titles 2013 (12920)**

(physics.bio-ph); Soft Condensed Matter (cond-mat.soft Superfast non-linear Interfaces endowed with non-constant surface energies revisited with the

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