

the anisotropic properties of magnetically ordered gel - the physical properties of magnetically ordered agarose gel were measured to elucidate its magnetically induced network structure. 2. experimental the raw materials used were agarose type ii with a gel strength of 6000-8000 kg/m² and agarose type I with a gel strength of 4500 kg/m², both supplied by wako chemicals.

magnetically ordered fcc structure at the relaxed grain ... - volume 81, number 20 physical review letters 16 november 1998 magnetically ordered fcc structure at the relaxed grain boundaries of pure nanocrystalline fe. del bianco,^{1,*} c. ballesteros,² j.m. rojo,³ and a. hernando^{1,3}, ¹instituto de magnetismo aplicado ucm-renfe, p.o. box 155, e-28230 las rozas, madrid, spain. ²departamento de fisica aplicada, universidad carlos iii, madrid, spain.

superconductivity in magnetically ordered ru ir sr gdcu o ... - magnetic properties in these ruthenocuprates is the valence of the ru ions. x-ray absorption near-edge structure spectroscopy in the ru-1212 compounds yields 40-50% of ru⁴⁺ and 60-50% of ru⁵⁺. [8] in light of the proximity of the superconducting cu-o and the magnetically ordered ru-o layers, and taking into account that the superconducting **low-temperature physical properties of single-crystalline ...** - intriguing physical properties with anomalous behaviours in magnetically ordered states. here, we report on the formation and the bulk physical properties of two tetragonal compounds eucoge 3 and eurhge 3, studied on high-quality single-crystalline specimens. in both materials, the eu ions are in their divalent state, which gives **large magnetoelectric coupling in magnetically short-range ...** - large magnetoelectric coupling in magnetically short-range ordered bi₅ti₃feo₁₅ film abstract multiferroic materials, which offer the possibility of manipulating the magnetic state by an electric field or vice versa, are of great current interest. however, single-phase materials with such cross-coupling properties at **black-white symmetry; ordered magnetics; anisotropy of ...** - electrical properties described by tensors exercise 1 magnetically ordered crystals and their symmetries the effect of inversions on electric and magnetic dipoles black-white symmetry exercise 2 anisotropy of physical properties in magnetically ordered crystals behaviour of tensors under space, time, and combined inversion **magnetically frustrated double perovskites: synthesis ...** - magnetically frustrated double perovskites: synthesis, structural ... but no physical properties have been investigated. the presented compounds are osmium analogues of sr ... partially ordered ... **synthesis of sodium cobaltate naxcoo₂ single crystals with ...** - diverse physical properties, such as magnetically ordered states [1], metal-insulator transition [2], and superconductivity [3]. their high metallic conductivity accompanied by a high thermoelectric coefficient suggest promising thermoelectric applications [4]. moreover, studies of their magnetic and transport properties have **pressure-induced magnetically ordered kondo lattice state ...** - eur. phys. j. b 6, 5{11 (1998) the european physical journal b c edp sciences springer-verlag 1998 pressure-induced magnetically ordered kondo lattice state in ybcu₂si₂k. alami-yadria, h. wilhelm, and d. jaccard university of geneva, dpmc, 24 quai ernest-ansermet, 1211 geneva 4, switzerland **doping effects of cr on the physical properties of bafe₁₋₉ ...** - doping effects of cr on the physical properties of bafe₁₋₉ ... the magnetically ordered temperature (n_f temperature) t_n is strongly associated with the ordered moments m. both of them are suppressed upon doping, where m is reduced further upon entering the superconducting state, **magnetic and structural properties of single-crystalline ...** - magnetic and structural properties of single-crystalline er₅si₄ abstract the magnetization of the oriented er₅si₄single crystal, measured along the three principal crystallographic directions, reveals strong magnetocrystalline anisotropy. the b axis is the easy magnetization direction. the

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