

**Spin wave parameter in the system of non-equivalent exchange coupled-layers**

**A. Urbaniak-Kucharczyk<sup>b</sup> and F. L. Castillo Alvarado<sup>a</sup>**

<sup>a</sup>Escuela Superior de Fisica y Matematicas  
Instituto Politecnico Nacional  
Edificio 6 UPLAM, Delegado G.A. Madero  
07738 Mexico District Federal, Mexico

<sup>b</sup>Department of Solid State Physics, University of Lodz  
Pomorska 149/153, Pl-90236 Lodz, Poland

The system of two ferromagnetic layers described by different exchange parameters and indirectly coupled by nonmagnetic spacer has been considered in low temperature region. Special attention has been paid to the influence of anisotropy in the surface and interface region on the temperature dependence of magnetisation. The range of interaction parameters for which the Bloch's  $T^{3/2}$  was fulfilled has been determined employing Green function formalism. It has been shown that the spin wave parameter  $B$  was fluctuating as a function of spacer thickness and its value was increasing with decreasing of thickness of constituent layers. Significant influence of the substrate on the amplitude of  $B$  parameter has been also found.

13.4 cm

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**Corresponding author :**

A. Urbaniak-Kucharczyk

**Address for correspondence :**

Department of Solid State Physics, University of Lodz  
Pomorska 149/153 Pl-90236, Lodz, Poland

**Email address :**

aurbania@mvii.uni.lodz.pl

9.7 cm