## The study of magnetic Co/Pt superlattices by means of X-ray specular reflectivity and diffuse scattering

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The synchrotron X-ray specular reflectivity and diffuse scattering measurements of [Co(3.5à)/Pt(4.2)]\*90 multilayers grown by molecular-beam epitaxy deposition on a MgO(100) of multilayers. The multilayers samples are differed by various time of an in-vacuum annealing o st superlattice peak, the contribution of the correlated (conformal) interfacial roughness to the total energies: far away and just close to the critical absorption edges of elements composed the III phenomenon the latter "anomalous" scattering measurements allowed to define the individual multilayers studied. Besides, it provided the quite straightforward way of determining the character among different interfaces.

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