Magnetic interactions of Cr-Cr and Co-Co impurity pairs in ZnO within a band-gap corrected density functional approach

[illegible]
[illegible]

(Γ)	0.73	3.23	3.44	
*/	0.19	0.47	0.28	
( )	5.64	6.43	7.40	
	4.8	7.0	8.8 7.5	
(^{3})	49.75	45.02	47.61	
	1.613	1.575	1.602	
	0.379	0.386	0.383	

[illegible] $\varepsilon(+/0)$ [illegible] $+1.96$ [illegible], [illegible][15]

[illegible] 1 [illegible]

[illegible] [[illegible] 1([illegible])], [illegible] ([illegible]) [illegible] 0.1 [illegible] 72-$_{1.9}$[illegible]$_{0.1}$ [illegible] 3.1μ [illegible] (10^{21} [illegible]^{3}). [illegible] + [illegible][29] [illegible]