

Table 1. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $\text{GaN}_x\text{As}_{1-x}/\text{GaAs}$  for different strain states  $s$  computed within LDA using 5000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaAs					
Ga	$p_1$	1.03842E-3	1.02588E-3	1.06949E-3	1.04769E-3
	$p_2$	-3.86248E-2	-4.59965E-2	-6.35115E-2	-2.20804E-2
	$p_3$	-8.80587E-1	-1.06997E+0	-1.34430E+0	-6.46214E-1
	$p_4$	3.86596E+0	3.86592E+0	3.86690E+0	3.86670E+0
	$\sigma$	1.18159E-3	8.42658E-4	1.19382E-3	9.15397E-4
As	$p_1$	1.06816E-3	1.04699E-3	2.85095E-4	1.07483E-3
	$p_2$	-8.16608E-2	-1.20145E-1	-2.73290E-1	-4.15695E-2
	$p_3$	-9.55385E-1	-1.13767E+0	-1.33618E+0	-7.20527E-1
	$p_4$	4.25073E+0	4.25299E+0	4.24644E+0	4.24734E+0
	$\sigma$	2.51771E-3	2.52869E-3	1.06964E-3	1.59468E-3
GaN					
Ga	$p_1$	1.05424E-3	1.05662E-3	1.06819E-3	1.03949E-3
	$p_2$	-5.27738E-2	-6.37576E-2	-8.11920E-2	-3.67438E-2
	$p_3$	-9.20624E-1	-1.13022E+0	-1.43385E+0	-6.61840E-1
	$p_4$	3.97876E+0	3.98074E+0	3.98263E+0	3.97760E+0
	$\sigma$	1.63237E-3	1.55445E-3	2.00603E-3	8.87785E-4
N	$p_1$	6.59401E-4	1.03776E-3	1.23707E-3	1.09651E-3
	$p_2$	-8.02212E-2	-7.95578E-2	-1.02854E-1	-2.72472E-2
	$p_3$	-2.10070E-1	-2.58821E-1	-3.30213E-1	-2.13758E-1
	$p_4$	1.38685E+0	1.39224E+0	1.40229E+0	1.39074E+0
	$\sigma$	1.52871E-3	6.62364E-3	1.92194E-2	4.57462E-3

Table 2. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $GaN_xAs_{1-x}/GaAs$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaAs					
Ga	$p_1$	1.02387E-3	1.02145E-3	1.06838E-3	1.04954E-3
	$p_2$	-3.97432E-2	-4.62031E-2	-6.37383E-2	-2.19771E-2
	$p_3$	-8.79266E-1	-1.06933E+0	-1.34409E+0	-6.46107E-1
	$p_4$	3.86566E+0	3.86595E+0	3.86681E+0	3.86678E+0
	$\sigma$	1.21225E-3	8.03359E-4	1.13108E-3	8.85770E-4
As	$p_1$	1.06667E-3	1.04714E-3	2.80100E-4	1.06759E-3
	$p_2$	-8.17187E-2	-1.20157E-1	-2.73993E-1	-4.20518E-2
	$p_3$	-9.55324E-1	-1.13787E+0	-1.33561E+0	-7.20695E-1
	$p_4$	4.25112E+0	4.25320E+0	4.24637E+0	4.24752E+0
	$\sigma$	2.63054E-3	2.59490E-3	1.03679E-3	1.44128E-3
GaN					
Ga	$p_1$	1.05436E-3	1.08137E-3	1.07218E-3	1.03949E-3
	$p_2$	-5.27922E-2	-6.23101E-2	-8.08219E-2	-3.67336E-2
	$p_3$	-9.19949E-1	-1.13080E+0	-1.43472E+0	-6.61850E-1
	$p_4$	3.97848E+0	3.98049E+0	3.98315E+0	3.97761E+0
	$\sigma$	1.56255E-3	1.49296E-3	2.13355E-3	8.91004E-4
N	$p_1$	6.71383E-4	1.03290E-3	1.20109E-3	1.09070E-3
	$p_2$	-8.00925E-2	-8.05290E-2	-2.07182E-1	-2.74286E-2
	$p_3$	-2.10003E-1	-2.56694E-1	-2.24140E-1	-2.13923E-1
	$p_4$	1.38678E+0	1.39174E+0	1.38458E+0	1.39071E+0
	$\sigma$	1.57573E-3	7.21451E-3	2.44570E-3	4.24737E-3

Table 3. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $GaN_xAs_{1-x}/GaAs$  for different strain states  $s$  computed within GGA using 5000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaAs					
Ga	$p_1$	1.07197E-3	1.03681E-3	1.05925E-3	1.06610E-3
	$p_2$	-3.46482E-2	-4.14069E-2	-5.99361E-2	-2.02353E-2
	$p_3$	-8.89160E-1	-1.08021E+0	-1.35510E+0	-6.51472E-1
	$p_4$	3.86859E+0	3.86873E+0	3.86951E+0	3.86929E+0
	$\sigma$	1.25109E-3	8.46729E-4	8.52038E-4	8.79693E-4
As	$p_1$	1.07064E-3	1.05556E-3	6.81591E-4	1.07216E-3
	$p_2$	-8.24256E-2	-1.17619E-1	-2.79523E-1	-4.23672E-2
	$p_3$	-9.57021E-1	-1.14442E+0	-1.33381E+0	-7.21035E-1
	$p_4$	4.25340E+0	4.25677E+0	4.24855E+0	4.24926E+0
	$\sigma$	2.65003E-3	2.89150E-3	1.05823E-3	1.52844E-3
GaN					
Ga	$p_1$	1.05385E-3	1.01705E-3	1.06391E-3	1.05065E-3
	$p_2$	-5.20069E-2	-6.96674E-2	-8.03517E-2	-3.58416E-2
	$p_3$	-9.24960E-1	-1.12818E+0	-1.44004E+0	-6.66043E-1
	$p_4$	3.98023E+0	3.98086E+0	3.98408E+0	3.97966E+0
	$\sigma$	1.53382E-3	1.15768E-3	1.88878E-3	9.66786E-4
N	$p_1$	7.79309E-4	7.85448E-4	1.25996E-3	1.03039E-3
	$p_2$	-8.00901E-2	-1.19576E-1	-2.11641E-1	-2.66946E-2
	$p_3$	-1.99793E-1	-2.06320E-1	-2.04915E-1	-2.06919E-1
	$p_4$	1.37165E+0	1.37087E+0	1.36925E+0	1.37578E+0
	$\sigma$	1.64504E-3	1.28470E-3	2.56099E-3	4.53519E-3

Table 4. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $GaN_xAs_{1-x}/GaAs$  for different strain states  $s$  computed within GGA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaAs					
Ga	$p_1$	1.07270E-3	1.03933E-3	1.05669E-3	1.06610E-3
	$p_2$	-3.47364E-2	-4.14547E-2	-6.00611E-2	-2.02353E-2
	$p_3$	-8.89151E-1	-1.08062E+0	-1.35485E+0	-6.51472E-1
	$p_4$	3.86867E+0	3.86903E+0	3.86928E+0	3.86929E+0
	$\sigma$	1.23812E-3	8.05943E-4	9.13306E-4	8.79693E-4
As	$p_1$	1.07600E-3	1.05556E-3	7.25804E-4	1.07216E-3
	$p_2$	-8.17826E-2	-1.17588E-1	-2.79525E-1	-4.23672E-2
	$p_3$	-9.57359E-1	-1.14441E+0	-1.33390E+0	-7.21035E-1
	$p_4$	4.25310E+0	4.25667E+0	4.24850E+0	4.24926E+0
	$\sigma$	2.60315E-3	2.91055E-3	1.06801E-3	1.52844E-3
GaN					
Ga	$p_1$	1.05374E-3	1.01693E-3	1.06370E-3	1.05065E-3
	$p_2$	-5.19830E-2	-6.96003E-2	-8.03855E-2	-3.58416E-2
	$p_3$	-9.25032E-1	-1.12838E+0	-1.44011E+0	-6.66043E-1
	$p_4$	3.98023E+0	3.98115E+0	3.98413E+0	3.97966E+0
	$\sigma$	1.53247E-3	1.23048E-3	1.92012E-3	9.66786E-4
N	$p_1$	1.04277E-3	8.45330E-4	1.25238E-3	1.03039E-3
	$p_2$	-8.08957E-2	-1.20145E-1	-9.01140E-2	-2.66946E-2
	$p_3$	-1.99292E-1	-2.05926E-1	-3.28838E-1	-2.06919E-1
	$p_4$	1.37169E+0	1.37086E+0	1.39104E+0	1.37578E+0
	$\sigma$	1.61020E-3	1.33710E-3	2.29570E-2	4.53519E-3

Table 5. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $Al_xGa_{1-x}As/GaAs$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
AlAs					
Al	$p_1$	1.03115E-3	1.00000E-3	1.00000E-3	1.00000E-3
	$p_2$	-2.51212E-3	1.45843E-4	2.76150E-4	1.42077E-4
	$p_3$	6.06196E-3	8.11407E-3	9.83967E-3	5.51188E-3
	$p_4$	2.47332E+0	2.47236E+0	2.47235E+0	2.47235E+0
	$\sigma$	8.88564E-4	4.62001E-4	5.14123E-4	4.60912E-4
As	$p_1$	1.03115E-3	1.00000E-3	1.01255E-3	1.00000E-3
	$p_2$	-4.00925E-3	2.30239E-4	4.54282E-4	2.47154E-4
	$p_3$	5.33996E-3	7.84340E-3	9.26861E-3	5.58281E-3
	$p_4$	4.21451E+0	4.21277E+0	4.21204E+0	4.21286E+0
	$\sigma$	8.90454E-4	2.91723E-4	1.95312E-4	2.95643E-4
GaAs					
Ga	$p_1$	1.03115E-3	1.01255E-3	1.01255E-3	1.00000E-3
	$p_2$	-3.81498E-3	2.44400E-4	2.79156E-4	1.52194E-4
	$p_3$	5.52353E-3	8.17886E-3	9.88736E-3	5.35467E-3
	$p_4$	3.86636E+0	3.86410E+0	3.86410E+0	3.86485E+0
	$\sigma$	8.84772E-4	2.02173E-4	1.96960E-4	2.97709E-4
As	$p_1$	1.03115E-3	1.00000E-3	1.01255E-3	1.00000E-3
	$p_2$	-4.19662E-3	2.43588E-4	3.83956E-4	2.34673E-4
	$p_3$	5.60379E-3	8.16784E-3	9.78622E-3	5.76360E-3
	$p_4$	4.24452E+0	4.24286E+0	4.24203E+0	4.24286E+0
	$\sigma$	8.84768E-4	2.92538E-4	1.95313E-4	2.90605E-4

Table 6. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $GaSb_xAs_{1-x}/GaAs$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaAs					
Ga	$p_1$	1.10198E-3	1.03344E-3	1.06721E-3	1.04539E-3
	$p_2$	3.51901E-3	5.43412E-3	1.10049E-2	7.98224E-3
	$p_3$	3.26709E-1	3.96961E-1	4.96726E-1	2.33674E-1
	$p_4$	3.86777E+0	3.86752E+0	3.86781E+0	3.86836E+0
	$\sigma$	1.23633E-3	1.06077E-3	1.29469E-3	1.10888E-3
As	$p_1$	9.24129E-4	1.00538E-3	1.03702E-3	1.06363E-3
	$p_2$	6.97981E-5	-7.53967E-4	2.20791E-3	6.31967E-3
	$p_3$	3.34887E-1	3.95950E-1	4.79455E-1	2.55310E-1
	$p_4$	4.24677E+0	4.24672E+0	4.24773E+0	4.24640E+0
	$\sigma$	1.28893E-3	1.04733E-3	1.26669E-3	9.92092E-4
GaSb					
Ga	$p_1$	1.07371E-3	1.01580E-3	1.03509E-3	1.05074E-3
	$p_2$	6.00727E-3	8.91380E-3	1.52275E-2	9.71073E-3
	$p_3$	3.16895E-1	3.82021E-1	4.73586E-1	2.30538E-1
	$p_4$	3.79959E+0	3.79904E+0	3.79985E+0	3.79981E+0
	$\sigma$	1.36528E-3	1.26510E-3	1.50718E-3	1.18427E-3
Sb	$p_1$	1.00180E-3	1.03685E-3	9.70703E-4	1.03965E-3
	$p_2$	-5.17490E-4	-3.47218E-3	2.40778E-3	8.14632E-3
	$p_3$	4.86591E-1	5.82955E-1	7.10874E-1	3.63427E-1
	$p_4$	6.37368E+0	6.37363E+0	6.37578E+0	6.37331E+0
	$\sigma$	1.15941E-3	8.82182E-4	1.06990E-3	8.04220E-4

Table 7. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $In_xGa_{1-x}P/GaP$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaP					
Ga	$p_1$	1.02067E-3	1.03148E-3	1.03886E-3	1.02777E-3
	$p_2$	-4.34322E-3	1.88488E-2	3.61238E-2	-2.30292E-3
	$p_3$	3.38662E-1	3.96801E-1	5.08890E-1	2.40180E-1
	$p_4$	3.76819E+0	3.76919E+0	3.76566E+0	3.77021E+0
	$\sigma$	1.44844E-3	9.26630E-4	1.70274E-3	9.29603E-4
P	$p_1$	1.01672E-3	1.02678E-3	1.03100E-3	1.02120E-3
	$p_2$	-8.65240E-3	9.24674E-3	1.71283E-2	-4.15041E-3
	$p_3$	2.98653E-1	3.38127E-1	4.21253E-1	2.25762E-1
	$p_4$	2.81360E+0	2.81544E+0	2.81254E+0	2.81576E+0
	$\sigma$	1.62262E-3	1.16116E-3	1.79597E-3	1.25671E-3
InP					
In	$p_1$	1.02739E-3	1.03929E-3	1.00998E-3	1.02994E-3
	$p_2$	-7.54157E-3	2.18498E-2	4.20749E-2	-2.84988E-3
	$p_3$	4.59085E-1	5.40256E-1	6.92875E-1	3.24873E-1
	$p_4$	5.83179E+0	5.83283E+0	5.82899E+0	5.83409E+0
	$\sigma$	1.31866E-3	7.04336E-4	1.28480E-3	7.04391E-4
P	$p_1$	1.01161E-3	1.01515E-3	1.03367E-3	1.02232E-3
	$p_2$	-1.05967E-2	8.41584E-3	1.42497E-2	-4.90408E-3
	$p_3$	2.96321E-1	3.31184E-1	4.10140E-1	2.26656E-1
	$p_4$	2.75510E+0	2.75665E+0	2.75400E+0	2.75715E+0
	$\sigma$	1.77288E-3	1.38131E-3	2.16814E-3	1.46476E-3

Table 8. *Table of polynomial coefficients for the modified atomic scattering amplitudes of strained  $GaAs_xSb_{1-x}/GaSb$  for different strain states  $s$  computed within LDA using 10000*

		<i>k</i> -points. All parameters are given in $\text{\AA}$ .			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaAs					
Ga	$p_1$	1.05021E-3	1.08763E-3	1.07076E-3	1.09423E-3
	$p_2$	-7.18356E-3	-5.20289E-3	-3.48251E-3	-3.42260E-3
	$p_3$	-3.23995E-1	-3.92564E-1	-4.88293E-1	-2.40524E-1
	$p_4$	4.10837E+0	4.10820E+0	4.10759E+0	4.10889E+0
	$\sigma$	1.19276E-3	6.50007E-4	7.44514E-4	8.28958E-4
As	$p_1$	1.06030E-3	1.05521E-3	1.06958E-3	1.06305E-3
	$p_2$	-1.17725E-2	-1.22057E-2	-1.62624E-2	-5.62987E-3
	$p_3$	-3.31759E-1	-3.91378E-1	-4.76701E-1	-2.57267E-1
	$p_4$	4.50684E+0	4.50657E+0	4.50705E+0	4.50663E+0
	$\sigma$	1.18164E-3	6.59441E-4	6.07604E-4	7.69297E-4
GaSb					
Ga	$p_1$	1.07833E-3	1.05763E-3	9.76146E-4	1.06769E-3
	$p_2$	-5.74876E-3	-2.55939E-3	3.32815E-5	-1.96384E-3
	$p_3$	-3.17157E-1	-3.81054E-1	-4.70815E-1	-2.39782E-1
	$p_4$	4.03856E+0	4.03808E+0	4.03778E+0	4.03910E+0
	$\sigma$	1.44463E-3	7.58618E-4	8.23866E-4	9.27152E-4
Sb	$p_1$	1.04650E-3	1.04591E-3	1.06154E-3	1.05648E-3
	$p_2$	-1.63079E-2	-1.91182E-2	-2.39255E-2	-8.41635E-3
	$p_3$	-4.80884E-1	-5.72191E-1	-7.04076E-1	-3.65150E-1
	$p_4$	6.74365E+0	6.74357E+0	6.74382E+0	6.74323E+0
	$\sigma$	1.05479E-3	5.52395E-4	5.21204E-4	5.78969E-4

Table 9. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $Ga_xIn_{1-x}P/InP$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
GaP					
Ga	$p_1$	1.04163E-3	1.00546E-3	1.01403E-3	1.04870E-3
	$p_2$	-2.68821E-3	6.93109E-3	1.52592E-2	-1.40045E-2
	$p_3$	-3.18674E-1	-3.91867E-1	-4.87335E-1	-2.25894E-1
	$p_4$	4.00582E+0	4.00539E+0	4.00149E+0	4.00738E+0
	$\sigma$	1.23888E-3	1.19083E-3	2.09663E-3	8.20472E-4
P	$p_1$	1.02697E-3	1.06015E-3	1.02737E-3	1.06029E-3
	$p_2$	-6.83580E-3	-1.78932E-4	3.81800E-3	-1.50091E-2
	$p_3$	-2.78728E-1	-3.32783E-1	-4.04192E-1	-2.08474E-1
	$p_4$	3.03631E+0	3.03612E+0	3.03363E+0	3.03651E+0
	$\sigma$	1.33165E-3	1.05971E-3	1.85270E-3	9.79578E-4
InP					
In	$p_1$	1.02498E-3	1.00590E-3	1.01590E-3	1.05481E-3
	$p_2$	-6.12717E-3	6.03015E-3	1.42633E-2	-1.81458E-2
	$p_3$	-4.36617E-1	-5.34391E-1	-6.66614E-1	-3.05860E-1
	$p_4$	6.15587E+0	6.15329E+0	6.14852E+0	6.15478E+0
	$\sigma$	1.22557E-3	8.47201E-4	1.57671E-3	6.36553E-4
P	$p_1$	1.03684E-3	1.03791E-3	1.02362E-3	1.06543E-3
	$p_2$	-6.47852E-3	-9.66413E-4	3.51079E-3	-1.63585E-2
	$p_3$	-2.73925E-1	-3.23738E-1	-3.89777E-1	-2.07133E-1
	$p_4$	2.97735E+0	2.97747E+0	2.97478E+0	2.97764E+0
	$\sigma$	1.45980E-3	1.26954E-3	2.15242E-3	1.25407E-3

Table 10. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $Cd_xZn_{1-x}Se/ZnSe$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
CdSe					
Cd	$p_1$	1.03043E-3	1.03842E-3	1.03794E-3	1.00666E-3
	$p_2$	-7.12259E-4	1.36992E-2	-4.24217E-4	-3.23243E-3
	$p_3$	3.70161E-1	4.54750E-1	6.27987E-1	2.60507E-1
	$p_4$	5.81898E+0	5.82145E+0	5.81886E+0	5.81784E+0
	$\sigma$	1.21070E-3	1.14462E-3	1.04878E-3	6.25249E-4
Se	$p_1$	1.01768E-3	1.04453E-3	1.00754E-3	1.01235E-3
	$p_2$	-5.55276E-3	4.29525E-3	-1.50209E-2	-6.36182E-3
	$p_3$	3.00569E-1	3.54461E-1	4.76499E-1	2.27468E-1
	$p_4$	4.38943E+0	4.39234E+0	4.39049E+0	4.38840E+0
	$\sigma$	1.57060E-3	1.66235E-3	1.72828E-3	9.37635E-4
ZnSe					
Zn	$p_1$	1.01750E-3	1.05800E-3	1.04017E-3	1.04421E-3
	$p_2$	2.75732E-3	1.42158E-2	6.13410E-3	-1.49072E-3
	$p_3$	2.70114E-1	3.32891E-1	4.61911E-1	1.89519E-1
	$p_4$	3.69467E+0	3.69613E+0	3.69423E+0	3.69412E+0
	$\sigma$	1.34316E-3	1.24264E-3	1.10660E-3	7.65508E-4
Se	$p_1$	1.02026E-3	1.04518E-3	1.01690E-3	1.01886E-3
	$p_2$	-5.54513E-3	3.31832E-3	-1.37432E-2	-5.17392E-3
	$p_3$	2.99274E-1	3.54251E-1	4.72877E-1	2.24705E-1
	$p_4$	4.43101E+0	4.43373E+0	4.43249E+0	4.42982E+0
	$\sigma$	1.50608E-3	1.50358E-3	1.51598E-3	8.48828E-4

Table 11. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $Mg_xZn_{1-x}Se/ZnSe$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
MgSe					
Mg	$p_1$	9.84565E-4	1.02702E-3	1.09639E-3	1.04985E-3
	$p_2$	3.71899E-4	2.61009E-3	2.64820E-2	8.17182E-3
	$p_3$	1.59841E-1	2.06342E-1	2.62516E-1	1.01347E-1
	$p_4$	2.11430E+0	2.11265E+0	2.11367E+0	2.11623E+0
	$\sigma$	2.30116E-3	1.82139E-3	3.38551E-3	1.62084E-3
Se	$p_1$	1.02606E-3	1.02176E-3	1.06034E-3	1.03031E-3
	$p_2$	-6.40964E-3	-4.97706E-3	1.06111E-2	6.10705E-3
	$p_3$	1.69585E-1	2.06650E-1	2.52714E-1	1.15067E-1
	$p_4$	4.37585E+0	4.37506E+0	4.37701E+0	4.37752E+0
	$\sigma$	1.17254E-3	6.96744E-4	1.63781E-3	8.11536E-4
ZnSe					
Zn	$p_1$	1.05181E-3	1.05399E-3	1.04281E-3	1.03990E-3
	$p_2$	-3.32827E-3	-7.14227E-4	2.20254E-2	8.17936E-3
	$p_3$	1.64642E-1	2.09503E-1	2.66908E-1	1.00689E-1
	$p_4$	3.69305E+0	3.69214E+0	3.69347E+0	3.69557E+0
	$\sigma$	1.46760E-3	1.21076E-3	9.70151E-4	1.07140E-3
Se	$p_1$	1.02212E-3	1.04085E-3	1.04563E-3	1.08758E-3
	$p_2$	-6.36447E-3	-4.58594E-3	1.39108E-2	6.58852E-3
	$p_3$	1.83880E-1	2.25552E-1	2.79017E-1	1.22139E-1
	$p_4$	4.42827E+0	4.42785E+0	4.42991E+0	4.43073E+0
	$\sigma$	1.27083E-3	8.93657E-4	8.02780E-4	9.29258E-4

Table 12. *Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $ZnS_xSe_{1-x}/ZnSe$  for different strain states  $s$  computed within LDA using 10000*

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
ZnS					
Zn	$p_1$	1.04749E-3	1.02352E-3	1.06526E-3	1.05397E-3
	$p_2$	-6.11544E-3	1.71660E-3	-1.03387E-2	-8.97796E-3
	$p_3$	-1.86235E-1	-2.44604E-1	-3.15253E-1	-1.23863E-1
	$p_4$	3.72187E+0	3.72323E+0	3.72219E+0	3.72126E+0
	$\sigma$	1.12708E-3	9.54940E-4	6.16903E-4	7.92512E-4
S	$p_1$	1.06030E-3	1.03877E-3	1.06477E-3	1.10253E-3
	$p_2$	-8.17500E-3	-3.37458E-3	-1.81094E-2	-1.10122E-2
	$p_3$	-1.64251E-1	-2.09545E-1	-2.59668E-1	-1.14673E-1
	$p_4$	3.06119E+0	3.06329E+0	3.06166E+0	3.05960E+0
	$\sigma$	1.32204E-3	1.26373E-3	9.10713E-4	9.35264E-4
ZnSe					
Zn	$p_1$	1.07408E-3	1.02766E-3	1.05550E-3	1.12324E-3
	$p_2$	-5.27655E-3	2.25704E-3	-9.80027E-3	-8.70402E-3
	$p_3$	-1.84751E-1	-2.42527E-1	-3.10407E-1	-1.22285E-1
	$p_4$	3.69382E+0	3.69517E+0	3.69360E+0	3.69270E+0
	$\sigma$	1.22320E-3	9.04316E-4	6.77333E-4	8.56500E-4
Se	$p_1$	1.07168E-3	1.02537E-3	1.06100E-3	1.10447E-3
	$p_2$	-1.13195E-2	-3.89573E-3	-2.14407E-2	-1.10812E-2
	$p_3$	-2.11772E-1	-2.72055E-1	-3.41937E-1	-1.50857E-1
	$p_4$	4.42893E+0	4.43107E+0	4.43043E+0	4.42807E+0
	$\sigma$	1.11900E-3	1.04030E-3	6.54906E-4	7.29174E-4

Table 13. *Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $Mg_xZn_{1-x}Te/ZnTe$   $ZnTeMgTe$  for different strain states  $s$  computed within LDA using 10000  $k$ -points. All parameters are given in  $\text{\AA}$ .*

		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
MgTe					
Mg	$p_1$	1.04738E-3	1.02909E-3	1.02653E-3	1.09508E-3
	$p_2$	-3.09422E-4	-7.32325E-3	-7.03650E-3	5.03796E-3
	$p_3$	2.22190E-1	2.76757E-1	3.50257E-1	1.56012E-1
	$p_4$	2.26163E+0	2.26225E+0	2.26434E+0	2.26149E+0
	$\sigma$	2.25216E-3	1.56305E-3	2.35278E-3	1.43925E-3
Te	$p_1$	1.03440E-3	1.01394E-3	1.04497E-3	1.00602E-3
	$p_2$	-1.62018E-2	-2.20795E-2	-2.99508E-2	1.31076E-3
	$p_3$	3.24096E-1	3.84475E-1	4.70581E-1	2.38920E-1
	$p_4$	6.90702E+0	6.90879E+0	6.91312E+0	6.90664E+0
	$\sigma$	1.19347E-3	8.76206E-4	1.50438E-3	5.64967E-4
ZnTe					
Zn	$p_1$	1.02552E-3	1.01264E-3	1.02678E-3	1.02419E-3
	$p_2$	-5.57544E-3	-1.15983E-2	-1.17938E-2	2.34829E-3
	$p_3$	2.11566E-1	2.62838E-1	3.31692E-1	1.46486E-1
	$p_4$	3.84159E+0	3.84249E+0	3.84516E+0	3.84164E+0
	$\sigma$	1.53905E-3	1.09876E-3	1.70166E-3	9.04668E-4
Te	$p_1$	1.03670E-3	1.02021E-3	1.00661E-3	1.01530E-3
	$p_2$	-1.56948E-2	-2.26420E-2	-3.14298E-2	1.65940E-3
	$p_3$	3.42199E-1	4.10063E-1	5.06401E-1	2.49103E-1
	$p_4$	6.96507E+0	6.96660E+0	6.97148E+0	6.96414E+0
	$\sigma$	1.27732E-3	8.81468E-4	1.58513E-3	5.86253E-4

Table 14. Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $ZnS_xTe_{1-x}/ZnTe$  for different strain states  $s$  computed within LDA using 10000

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
ZnS					
Zn	$p_1$	1.04374E-3	1.04650E-3	1.03435E-3	1.06608E-3
	$p_2$	-1.74055E-2	-3.06220E-2	-3.60366E-2	-1.67783E-2
	$p_3$	-4.91004E-1	-6.09009E-1	-8.08166E-1	-3.34427E-1
	$p_4$	3.94033E+0	3.93939E+0	3.94002E+0	3.93880E+0
	$\sigma$	1.03825E-3	6.19008E-4	5.84523E-4	9.41871E-4
S	$p_1$	1.04481E-3	1.02730E-3	1.05177E-3	1.09591E-3
	$p_2$	-4.40797E-2	-6.47973E-2	-9.88667E-2	-2.89461E-2
	$p_3$	-3.95613E-1	-4.82369E-1	-6.33060E-1	-2.85842E-1
	$p_4$	3.25315E+0	3.25459E+0	3.26067E+0	3.25035E+0
	$\sigma$	1.95253E-3	2.09532E-3	4.07455E-3	1.03661E-3
ZnTe					
Zn	$p_1$	1.05250E-3	1.07289E-3	1.04014E-3	1.07556E-3
	$p_2$	-1.50049E-2	-2.43497E-2	-2.54285E-2	-1.78077E-2
	$p_3$	-4.69250E-1	-5.81471E-1	-7.67035E-1	-3.20060E-1
	$p_4$	3.84043E+0	3.83956E+0	3.83941E+0	3.83975E+0
	$\sigma$	1.33871E-3	9.98139E-4	1.09507E-3	1.14979E-3
Te	$p_1$	1.06758E-3	1.05523E-3	9.22279E-4	1.06974E-3
	$p_2$	-6.16062E-2	-9.88729E-2	-2.39720E-1	-4.26871E-2
	$p_3$	-8.07315E-1	-9.90750E-1	-1.22020E+0	-5.68944E-1
	$p_4$	6.96785E+0	6.96940E+0	6.96280E+0	6.96307E+0
	$\sigma$	1.33980E-3	1.34183E-3	4.33071E-4	5.47956E-4

Table 15. *Table of polynomial coefficients for the 002 modified atomic scattering amplitudes of strained  $ZnSe_xTe_{1-x}/ZnTe$  for different strain states  $s$  computed within LDA using 10000*

		<i>k</i> -points. All parameters are given in Å.			
		$s = 0.0$	$s = 0.5$	$s = 1.0$	Bulk
ZnSe					
Zn	$p_1$	1.05517E-3	1.05496E-3	1.06762E-3	1.02198E-3
	$p_2$	-1.49618E-2	-1.16582E-2	-1.71084E-2	-6.87050E-3
	$p_3$	-2.94475E-1	-3.74901E-1	-4.89991E-1	-2.09305E-1
	$p_4$	3.90669E+0	3.90736E+0	3.90683E+0	3.90828E+0
	$\sigma$	1.23969E-3	7.76624E-4	9.25137E-4	8.05973E-4
Se	$p_1$	1.04954E-3	1.06714E-3	1.07939E-3	1.05611E-3
	$p_2$	-2.79742E-2	-2.87850E-2	-4.52364E-2	-1.24979E-2
	$p_3$	-3.15118E-1	-3.93027E-1	-5.06102E-1	-2.36498E-1
	$p_4$	4.67646E+0	4.67832E+0	4.67986E+0	4.67722E+0
	$\sigma$	1.09044E-3	8.46321E-4	1.14353E-3	7.25660E-4
ZnTe					
Zn	$p_1$	1.05517E-3	1.02520E-3	1.04138E-3	1.03137E-3
	$p_2$	-1.51619E-2	-1.01713E-2	-1.46415E-2	-6.47985E-3
	$p_3$	-2.85436E-1	-3.64491E-1	-4.73665E-1	-2.04416E-1
	$p_4$	3.83928E+0	3.84055E+0	3.83939E+0	3.84051E+0
	$\sigma$	1.40528E-3	9.06001E-4	1.22677E-3	1.05597E-3
Te	$p_1$	1.07787E-3	1.06120E-3	1.09293E-3	1.02566E-3
	$p_2$	-3.41094E-2	-3.87991E-2	-6.11183E-2	-1.66181E-2
	$p_3$	-4.88608E-1	-6.07513E-1	-7.86595E-1	-3.57042E-1
	$p_4$	6.96352E+0	6.96492E+0	6.96676E+0	6.96314E+0
	$\sigma$	1.07256E-3	6.91707E-4	9.37796E-4	5.58260E-4

Table 16. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $GaN_xAs_{1-x}/GaAs$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Ga	N	p <sub>1</sub>	-2.43779E-1	-3.18437E-1	4.12842E-2	-1.89079E-1
Ga	N	p <sub>2</sub>	7.73953E-1	8.98228E-1	6.32657E-1	6.42517E-1
Ga	N	p <sub>3</sub>	-4.08680E-1	-4.62140E-1	-4.24026E-1	-3.29231E-1
Ga	N	p <sub>4</sub>	8.77225E-1	8.78236E-1	8.73825E-1	8.74055E-1
Ga	As	p <sub>1</sub>	-3.53461E-1	-3.80318E-1	4.68231E-1	-2.07938E-1
Ga	As	p <sub>2</sub>	9.36571E-1	9.71883E-1	2.02269E-1	7.41930E-1
Ga	As	p <sub>3</sub>	-7.38028E-1	-7.54210E-1	-5.75056E-1	-6.47606E-1
Ga	As	p <sub>4</sub>	1.00931E+0	1.00851E+0	9.97916E-1	1.00388E+0
N	Ga	p <sub>1</sub>	-4.52677E-1	-6.21407E-1	-7.45863E-1	-3.07091E-1
N	Ga	p <sub>2</sub>	9.57547E-1	1.17325E+0	1.33522E+0	7.29845E-1
N	Ga	p <sub>3</sub>	-5.15430E-1	-5.73911E-1	-6.04380E-1	-4.29030E-1
N	Ga	p <sub>4</sub>	1.00830E+0	1.00997E+0	1.00969E+0	1.00337E+0
As	Ga	p <sub>1</sub>	-4.86006E-1	-6.92697E-1	-9.63809E-1	-2.86081E-1
As	Ga	p <sub>2</sub>	9.59107E-1	1.21394E+0	1.50060E+0	6.58384E-1
As	Ga	p <sub>3</sub>	-4.85342E-1	-5.49604E-1	-6.00607E-1	-3.78714E-1
As	Ga	p <sub>4</sub>	1.00985E+0	1.01161E+0	1.01195E+0	1.00372E+0

Table 17. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $Al_xGa_{1-x}As/GaAs$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Al	As	p <sub>1</sub>	1.72513E-7	4.46276E-7	4.18318E-7	-5.67096E-8
Al	As	p <sub>2</sub>	9.16947E-6	8.85562E-6	8.99871E-6	9.46239E-6
Al	As	p <sub>3</sub>	-9.33466E-6	-9.28356E-6	-9.40870E-6	-9.40634E-6
Al	As	p <sub>4</sub>	1.00000E-0	1.00000E-0	1.00000E-0	1.00000E+0
As	Al	p <sub>1</sub>	-6.57355E-9	4.80856E-7	5.29110E-7	-2.98324E-7
As	Al	p <sub>2</sub>	1.51650E-5	1.45974E-5	1.47939E-5	1.54308E-5
As	Al	p <sub>3</sub>	-1.04881E-5	-1.03758E-5	-1.06406E-5	-1.04687E-5
As	Al	p <sub>4</sub>	9.99995E-1	9.99995E-1	9.99995E-1	9.99995E-1
Ga	As	p <sub>1</sub>	1.81818E-7	4.15936E-7	4.13814E-7	-7.24931E-8
Ga	As	p <sub>2</sub>	9.15334E-6	8.90682E-6	8.99698E-6	9.47617E-6
Ga	As	p <sub>3</sub>	-9.32649E-6	-9.30466E-6	-9.40163E-6	-9.40573E-6
Ga	As	p <sub>4</sub>	1.00000E-0	1.00000E-0	1.00000E-0	1.00000E+0
As	Ga	p <sub>1</sub>	1.00009E-7	3.90126E-7	6.38251E-7	-2.22773E-7
As	Ga	p <sub>2</sub>	1.50247E-5	1.46714E-5	1.43810E-5	1.55082E-5
As	Ga	p <sub>3</sub>	-1.97527E-5	-1.97436E-5	-1.97874E-5	-1.98425E-5
As	Ga	p <sub>4</sub>	1.00000E-0	1.00000E-0	1.00000E-0	1.00000E+0

Table 18. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $GaSb_xAs_{1-x}/GaAs$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Ga	Sb	p <sub>1</sub>	3.42761E-3	2.21311E-3	1.15464E-3	4.45711E-3
Ga	Sb	p <sub>2</sub>	3.84735E-2	3.89847E-2	3.90321E-2	3.86206E-2
Ga	Sb	p <sub>3</sub>	-2.88981E-2	-2.81873E-2	-2.71865E-2	-3.01041E-2
Ga	Sb	p <sub>4</sub>	9.87005E-1	9.86986E-1	9.86991E-1	9.87034E-1
Ga	As	p <sub>1</sub>	2.85652E-3	5.88538E-4	-1.28863E-3	4.17954E-3
Ga	As	p <sub>2</sub>	3.73833E-2	4.01337E-2	4.22638E-2	3.61992E-2
Ga	As	p <sub>3</sub>	-5.35736E-2	-5.37143E-2	-5.34926E-2	-5.42615E-2
Ga	As	p <sub>4</sub>	9.99968E-1	9.99965E-1	9.99954E-1	1.00002E+0
Sb	Ga	p <sub>1</sub>	6.66422E-3	5.41257E-3	4.51688E-3	7.05375E-3
Sb	Ga	p <sub>2</sub>	1.59792E-2	1.73835E-2	1.83401E-2	1.60311E-2
Sb	Ga	p <sub>3</sub>	-2.26054E-2	-2.27724E-2	-2.28287E-2	-2.30977E-2
Sb	Ga	p <sub>4</sub>	9.99976E-1	9.99975E-1	9.99980E-1	1.00001E+0
As	Ga	p <sub>1</sub>	6.67176E-3	5.54273E-3	4.57114E-3	7.24007E-3
As	Ga	p <sub>2</sub>	1.74290E-2	1.86577E-2	1.96835E-2	1.72696E-2
As	Ga	p <sub>3</sub>	-2.40763E-2	-2.41652E-2	-2.42262E-2	-2.45223E-2
As	Ga	p <sub>4</sub>	9.99979E-1	9.99970E-1	9.99976E-1	1.00001E+0

Table 19. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $In_xGa_{1-x}P/GaP$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
In	P	p <sub>1</sub>	1.10463E-2	1.26527E-2	1.51138E-2	9.12191E-3
In	P	p <sub>2</sub>	1.18583E-2	9.80301E-3	6.66969E-3	1.44881E-2
In	P	p <sub>3</sub>	-2.28970E-2	-2.24309E-2	-2.17651E-2	-2.36324E-2
In	P	p <sub>4</sub>	9.99973E-1	9.99935E-1	9.99895E-1	1.00002E+0
P	In	p <sub>1</sub>	7.97515E-3	1.14711E-2	1.58183E-2	4.99154E-3
P	In	p <sub>2</sub>	3.62179E-2	3.22005E-2	2.77120E-2	3.93718E-2
P	In	p <sub>3</sub>	-3.05610E-2	-2.99524E-2	-2.98489E-2	-3.07571E-2
P	In	p <sub>4</sub>	9.86336E-1	9.86246E-1	9.86242E-1	9.86373E-1
Ga	P	p <sub>1</sub>	1.11408E-2	1.29297E-2	1.55943E-2	8.93895E-3
Ga	P	p <sub>2</sub>	1.37524E-2	1.16148E-2	8.31690E-3	1.66047E-2
Ga	P	p <sub>3</sub>	-2.48830E-2	-2.45167E-2	-2.38857E-2	-2.55714E-2
Ga	P	p <sub>4</sub>	9.99965E-1	9.99933E-1	9.99893E-1	1.00001E+0
P	Ga	p <sub>1</sub>	5.90052E-3	7.18625E-3	9.38979E-3	4.24619E-3
P	Ga	p <sub>2</sub>	3.50254E-2	3.28009E-2	2.88680E-2	3.80139E-2
P	Ga	p <sub>3</sub>	-5.59267E-2	-5.56640E-2	-5.49927E-2	-5.65630E-2
P	Ga	p <sub>4</sub>	9.99957E-1	9.99932E-1	9.99891E-1	1.00000E+0

Table 20. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $GaAs_xSb_{1-x}/GaSb$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Ga	As	p <sub>1</sub>	-6.15847E-4	2.21885E-3	6.31571E-3	-4.32525E-3
Ga	As	p <sub>2</sub>	4.52386E-2	4.25874E-2	3.87706E-2	4.88310E-2
Ga	As	p <sub>3</sub>	-3.07377E-2	-3.09217E-2	-3.11198E-2	-3.06385E-2
Ga	As	p <sub>4</sub>	9.86108E-1	9.86103E-1	9.86063E-1	9.86120E-1
Ga	Sb	p <sub>1</sub>	-1.40136E-3	2.72500E-4	2.58912E-3	-4.61034E-3
Ga	Sb	p <sub>2</sub>	4.73053E-2	4.48571E-2	4.12538E-2	5.21286E-2
Ga	Sb	p <sub>3</sub>	-5.97835E-2	-5.97798E-2	-5.96989E-2	-6.05270E-2
Ga	Sb	p <sub>4</sub>	9.99969E-1	9.99974E-1	9.99983E-1	1.00001E+0
As	Ga	p <sub>1</sub>	-5.11153E-3	-3.61911E-3	-2.00915E-3	-7.36718E-3
As	Ga	p <sub>2</sub>	3.64035E-2	3.48578E-2	3.33647E-2	3.91041E-2
As	Ga	p <sub>3</sub>	-3.12711E-2	-3.12082E-2	-3.12770E-2	-3.17564E-2
As	Ga	p <sub>4</sub>	9.99981E-1	9.99983E-1	9.99993E-1	1.00001E+0
Sb	Ga	p <sub>1</sub>	-5.05189E-3	-3.54090E-3	-1.91399E-3	-7.25463E-3
Sb	Ga	p <sub>2</sub>	3.47780E-2	3.32186E-2	3.16616E-2	3.74214E-2
Sb	Ga	p <sub>3</sub>	-2.97133E-2	-2.96403E-2	-2.96694E-2	-3.01946E-2
Sb	Ga	p <sub>4</sub>	9.99984E-1	9.99981E-1	9.99995E-1	1.00001E+0

Table 21. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $Ga_xIn_{1-x}P/InP$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Ga	P	p <sub>1</sub>	-9.12092E-3	-8.87471E-3	-9.66072E-3	-8.31048E-3
Ga	P	p <sub>2</sub>	4.30754E-2	4.23877E-2	4.31007E-2	4.24842E-2
Ga	P	p <sub>3</sub>	-3.39409E-2	-3.34504E-2	-3.33836E-2	-3.41433E-2
Ga	P	p <sub>4</sub>	9.99974E-1	9.99940E-1	9.99935E-1	9.99984E-1
P	Ga	p <sub>1</sub>	-4.45960E-3	-3.57403E-3	-4.13163E-3	-3.59181E-3
P	Ga	p <sub>2</sub>	4.97835E-2	4.76109E-2	4.74027E-2	4.97418E-2
P	Ga	p <sub>3</sub>	-3.10407E-2	-2.96480E-2	-2.89187E-2	-3.18424E-2
P	Ga	p <sub>4</sub>	9.85692E-1	9.85614E-1	9.85642E-1	9.85697E-1
In	P	p <sub>1</sub>	-8.51779E-3	-8.03325E-3	-7.97711E-3	-8.47278E-3
In	P	p <sub>2</sub>	4.05747E-2	3.97303E-2	3.94710E-2	4.08359E-2
In	P	p <sub>3</sub>	-3.20383E-2	-3.16388E-2	-3.14375E-2	-3.23361E-2
In	P	p <sub>4</sub>	9.99975E-1	9.99949E-1	9.99933E-1	9.99992E-1
P	In	p <sub>1</sub>	-6.62109E-3	-7.47700E-3	-9.02474E-3	-4.34485E-3
P	In	p <sub>2</sub>	5.57888E-2	5.65217E-2	5.80451E-2	5.33652E-2
P	In	p <sub>3</sub>	-6.24762E-2	-6.21148E-2	-6.17583E-2	-6.26217E-2
P	In	p <sub>4</sub>	9.99966E-1	9.99942E-1	9.99918E-1	9.99978E-1

Table 22. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $Cd_xZn_{1-x}Se/ZnSe$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Cd	Se	p <sub>1</sub>	2.74614E-3	2.19777E-3	1.99605E-4	4.12846E-3
Cd	Se	p <sub>2</sub>	2.28091E-2	2.31686E-2	2.52659E-2	2.15635E-2
Cd	Se	p <sub>3</sub>	-2.55453E-2	-2.53186E-2	-2.54281E-2	-2.56887E-2
Cd	Se	p <sub>4</sub>	9.99989E-1	9.99971E-1	9.99972E-1	1.00000E+0
Se	Cd	p <sub>1</sub>	-1.41199E-3	-1.70957E-3	-3.99397E-3	4.29444E-4
Se	Cd	p <sub>2</sub>	4.29905E-2	4.20191E-2	4.33049E-2	4.21218E-2
Se	Cd	p <sub>3</sub>	-2.80449E-2	-2.66724E-2	-2.57143E-2	-2.90197E-2
Se	Cd	p <sub>4</sub>	9.86446E-1	9.86373E-1	9.86396E-1	9.86462E-1
Zn	Se	p <sub>1</sub>	2.72912E-3	2.11133E-3	1.51032E-4	4.04547E-3
Zn	Se	p <sub>2</sub>	2.36610E-2	2.41357E-2	2.61273E-2	2.24909E-2
Zn	Se	p <sub>3</sub>	-2.63778E-2	-2.61975E-2	-2.62377E-2	-2.65379E-2
Zn	Se	p <sub>4</sub>	9.99987E-1	9.99971E-1	9.99966E-1	1.00000E-0
Se	Zn	p <sub>1</sub>	-2.81979E-3	-4.08009E-3	-6.64130E-3	-7.02337E-4
Se	Zn	p <sub>2</sub>	4.71045E-2	4.85800E-2	5.15016E-2	4.47356E-2
Se	Zn	p <sub>3</sub>	-5.64000E-2	-5.61335E-2	-5.58300E-2	-5.67249E-2
Se	Zn	p <sub>4</sub>	9.99963E-1	9.99945E-1	9.99923E-1	9.99987E-1

Table 23. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $Mg_xZn_{1-x}Se/ZnSe$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Mg	Se	p <sub>1</sub>	3.66248E-3	4.34810E-3	5.33168E-3	3.01994E-3
Mg	Se	p <sub>2</sub>	4.98440E-3	4.05649E-3	2.71941E-3	5.92234E-3
Mg	Se	p <sub>3</sub>	-8.65912E-3	-8.40463E-3	-8.07532E-3	-8.96015E-3
Mg	Se	p <sub>4</sub>	9.99993E-1	9.99975E-1	9.99956E-1	1.00001E+0
Se	Mg	p <sub>1</sub>	3.91969E-3	5.57046E-3	7.81594E-3	2.56406E-3
Se	Mg	p <sub>2</sub>	1.14122E-2	9.47417E-3	7.03523E-3	1.29167E-2
Se	Mg	p <sub>3</sub>	-1.08916E-2	-1.05686E-2	-1.04095E-2	-1.10454E-2
Se	Mg	p <sub>4</sub>	9.95542E-1	9.95506E-1	9.95498E-1	9.95560E-1
Zn	Se	p <sub>1</sub>	4.13892E-3	4.97634E-3	6.12573E-3	3.31615E-3
Zn	Se	p <sub>2</sub>	4.87663E-3	3.82505E-3	2.35139E-3	5.97669E-3
Zn	Se	p <sub>3</sub>	-9.02712E-3	-8.79988E-3	-8.49886E-3	-9.31307E-3
Zn	Se	p <sub>4</sub>	9.99990E-1	9.99974E-1	9.99957E-1	1.00001E+0
Se	Zn	p <sub>1</sub>	3.52800E-3	4.10778E-3	4.88956E-3	2.99877E-3
Se	Zn	p <sub>2</sub>	1.01395E-2	9.05524E-3	7.36650E-3	1.12690E-2
Se	Zn	p <sub>3</sub>	-1.90425E-2	-1.88699E-2	-1.85925E-2	-1.92856E-2
Se	Zn	p <sub>4</sub>	9.99996E-1	9.99983E-1	9.99967E-1	1.00001E+0

Table 24. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $ZnS_xSe_{1-x}/ZnSe$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Zn	S	p <sub>1</sub>	2.93747E-3	5.03443E-3	8.44638E-3	1.32293E-3
Zn	S	p <sub>2</sub>	1.98900E-2	1.79668E-2	1.46380E-2	2.11400E-2
Zn	S	p <sub>3</sub>	-1.62903E-2	-1.64416E-2	-1.65188E-2	-1.59244E-2
Zn	S	p <sub>4</sub>	9.93454E-1	9.93433E-1	9.93409E-1	9.93469E-1
Zn	Se	p <sub>1</sub>	2.17557E-3	4.15031E-3	6.91250E-3	9.98035E-4
Zn	Se	p <sub>2</sub>	1.91514E-2	1.64584E-2	1.23612E-2	2.08953E-2
Zn	Se	p <sub>3</sub>	-2.90048E-2	-2.87746E-2	-2.83224E-2	-2.89839E-2
Zn	Se	p <sub>4</sub>	1.00001E+0	9.99994E-1	9.99971E-1	1.00001E+0
S	Zn	p <sub>1</sub>	3.21228E-4	1.61253E-3	3.45398E-3	-6.15692E-4
S	Zn	p <sub>2</sub>	1.48663E-2	1.35131E-2	1.13857E-2	1.58659E-2
S	Zn	p <sub>3</sub>	-1.51906E-2	-1.51200E-2	-1.48388E-2	-1.52602E-2
S	Zn	p <sub>4</sub>	1.00000E+0	1.00000E+0	9.99991E-1	1.00002E+0
Se	Zn	p <sub>1</sub>	4.45760E-4	1.64373E-3	3.50932E-3	-4.85727E-4
Se	Zn	p <sub>2</sub>	1.45132E-2	1.32578E-2	1.11173E-2	1.55039E-2
Se	Zn	p <sub>3</sub>	-1.49608E-2	-1.49007E-2	-1.46220E-2	-1.50267E-2
Se	Zn	p <sub>4</sub>	1.00000E+0	1.00000E+0	9.99989E-1	1.00002E+0

Table 25. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $Mg_xZn_{1-x}Te/ZnTe$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Mg	Te	p <sub>1</sub>	-5.42302E-4	-1.54754E-3	-3.15861E-3	1.18299E-3
Mg	Te	p <sub>2</sub>	1.40799E-2	1.50143E-2	1.64450E-2	1.24184E-2
Mg	Te	p <sub>3</sub>	-1.35361E-2	-1.34490E-2	-1.32718E-2	-1.35946E-2
Mg	Te	p <sub>4</sub>	1.00000E+0	9.99996E-1	9.99985E-1	1.00001E+0
Te	Mg	p <sub>1</sub>	-2.15337E-3	-3.46925E-3	-5.58208E-3	4.07003E-4
Te	Mg	p <sub>2</sub>	2.37199E-2	2.40023E-2	2.46920E-2	2.21611E-2
Te	Mg	p <sub>3</sub>	-1.47825E-2	-1.37015E-2	-1.22954E-2	-1.57768E-2
Te	Mg	p <sub>4</sub>	9.93218E-1	9.93183E-1	9.93179E-1	9.93228E-1
Zn	Te	p <sub>1</sub>	-3.11074E-4	-1.38667E-3	-3.00167E-3	1.41553E-3
Zn	Te	p <sub>2</sub>	1.39619E-2	1.50031E-2	1.64102E-2	1.22947E-2
Zn	Te	p <sub>3</sub>	-1.36477E-2	-1.35991E-2	-1.33931E-2	-1.37058E-2
Zn	Te	p <sub>4</sub>	1.00000E+0	9.99998E-1	9.99984E-1	1.00001E+0
Te	Zn	p <sub>1</sub>	-2.10395E-3	-3.96383E-3	-6.49367E-3	5.69181E-4
Te	Zn	p <sub>2</sub>	2.49149E-2	2.72363E-2	3.00444E-2	2.16565E-2
Te	Zn	p <sub>3</sub>	-2.88361E-2	-2.87113E-2	-2.82296E-2	-2.90100E-2
Te	Zn	p <sub>4</sub>	1.00000E+0	9.99993E-1	9.99965E-1	1.00001E+0

Table 26. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $ZnS_xTe_{1-x}/ZnTe$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Zn	S	p <sub>1</sub>	4.84295E-2	8.06254E-2	1.40525E-1	1.44536E-2
Zn	S	p <sub>2</sub>	8.89816E-2	5.55117E-2	-5.60181E-3	1.23644E-1
Zn	S	p <sub>3</sub>	-9.60974E-2	-9.49173E-2	-9.40123E-2	-9.68683E-2
Zn	S	p <sub>4</sub>	9.58190E-1	9.57893E-1	9.57426E-1	9.58666E-1
Zn	Te	p <sub>1</sub>	2.72196E-2	4.52461E-2	7.47365E-2	1.58324E-3
Zn	Te	p <sub>2</sub>	9.56530E-2	6.56234E-2	1.50752E-2	1.36142E-1
Zn	Te	p <sub>3</sub>	-1.79306E-1	-1.76806E-1	-1.74402E-1	-1.84863E-1
Zn	Te	p <sub>4</sub>	9.99463E-1	9.99357E-1	9.99263E-1	9.99900E-1
S	Zn	p <sub>1</sub>	3.22509E-3	2.09692E-2	5.12864E-2	-1.73808E-2
S	Zn	p <sub>2</sub>	9.80071E-2	7.76496E-2	4.59476E-2	1.22706E-1
S	Zn	p <sub>3</sub>	-1.00916E-1	-9.82947E-2	-9.70241E-2	-1.05249E-1
S	Zn	p <sub>4</sub>	9.99572E-1	9.99464E-1	9.99441E-1	9.99937E-1
Te	Zn	p <sub>1</sub>	3.73735E-3	2.09395E-2	4.86909E-2	-1.50974E-2
Te	Zn	p <sub>2</sub>	9.22962E-2	7.25046E-2	4.39847E-2	1.14875E-1
Te	Zn	p <sub>3</sub>	-9.57659E-2	-9.30888E-2	-9.24336E-2	-9.96960E-2
Te	Zn	p <sub>4</sub>	9.99594E-1	9.99461E-1	9.99478E-1	9.99930E-1

Table 27. Table of polynomial coefficients for the static displacement correction factors  $d_{A,B}^{002}$  to the 002 SF of strained  $ZnSe_xTe_{1-x}/ZnTe$ , with A the atom considered and B its nearest

A	B		neighbor.			Bulk
			s=0.0	s=0.5	s=1.0	
Zn	Se	p <sub>1</sub>	7.01944E-3	1.11827E-2	2.26863E-2	8.12887E-4
Zn	Se	p <sub>2</sub>	4.69320E-2	4.40792E-2	3.20655E-2	5.26260E-2
Zn	Se	p <sub>3</sub>	-3.82260E-2	-3.95521E-2	-3.90033E-2	-3.77357E-2
Zn	Se	p <sub>4</sub>	9.84239E-1	9.84276E-1	9.84103E-1	9.84294E-1
Zn	Te	p <sub>1</sub>	5.01801E-3	7.34759E-3	1.52551E-2	-6.33143E-4
Zn	Te	p <sub>2</sub>	4.57830E-2	4.26338E-2	3.03033E-2	5.41012E-2
Zn	Te	p <sub>3</sub>	-6.91446E-2	-6.99343E-2	-6.84246E-2	-7.01301E-2
Zn	Te	p <sub>4</sub>	9.99965E-1	1.00003E+0	9.99903E-1	1.00004E+0
Se	Zn	p <sub>1</sub>	-1.36370E-3	3.68594E-4	6.87043E-3	-5.36774E-3
Se	Zn	p <sub>2</sub>	3.87260E-2	3.76768E-2	3.00203E-2	4.33605E-2
Se	Zn	p <sub>3</sub>	-3.73493E-2	-3.80422E-2	-3.68696E-2	-3.80360E-2
Se	Zn	p <sub>4</sub>	9.99992E-1	1.00005E+0	9.99942E-1	1.00005E+0
Te	Zn	p <sub>1</sub>	-1.37583E-3	3.05784E-4	6.61551E-3	-5.06078E-3
Te	Zn	p <sub>2</sub>	3.75192E-2	3.65474E-2	2.90564E-2	4.17663E-2
Te	Zn	p <sub>3</sub>	-3.61445E-2	-3.68386E-2	-3.56481E-2	-3.67447E-2
Te	Zn	p <sub>4</sub>	9.99997E-1	1.00005E+0	9.99940E-1	1.00004E+0