Correlated Atomic Displacements in the Chemically Random  $Ga_{1-x}In_xP$  Alloy

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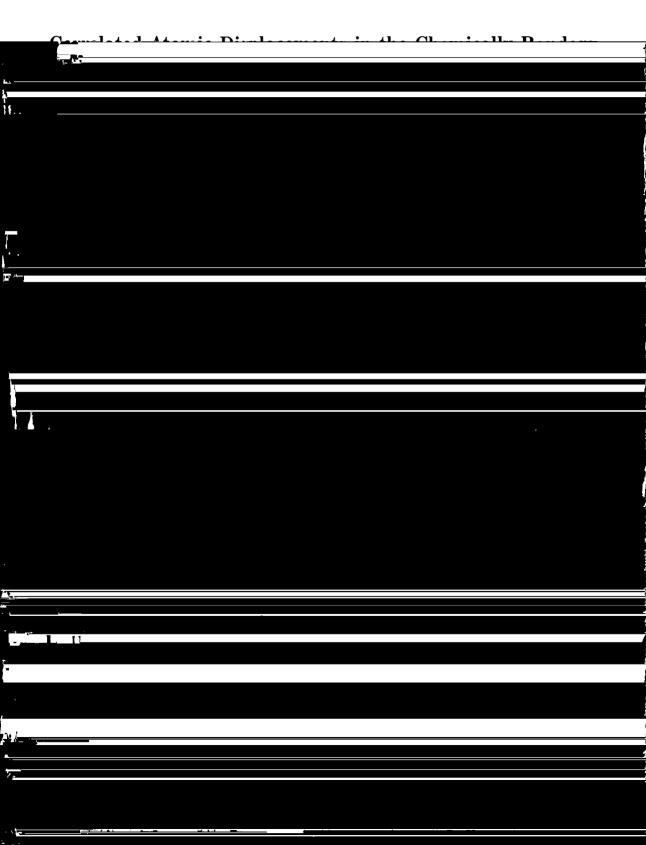
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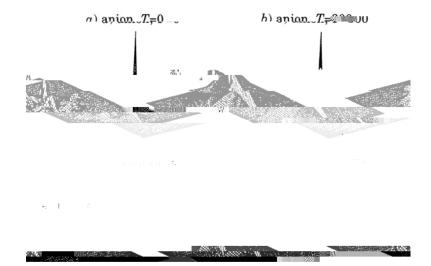
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374 EUROPHYSICS LETTERS

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	the instant $t_i = i \Delta t$ , and $\bar{U}_j$ is the time-averaged position of atom $j$ given by $\bar{U}_j = \frac{1}{2} (1/n) \sum_{i=1}^{n} U_i(t_i)$ . The above election was applied for 100 different initial random atomic
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observed trend in the relations between the anion and cation r.m.s. displacements (1).

 $U_{\star, \star}(\mathrm{ZnTe}) =$  $= 0.071 \,\mathrm{A}, \,\,\mathrm{UT}, \,\,(\mathrm{ZnTe}) = 0.060 \,\mathrm{O}, \,\,U_{\star}(\mathrm{CdTe}) = 0.065 \,\mathrm{A}, \,\,\mathrm{and}$ (CdTe) = 0.080 A. These should be compared with the experimental results of Comedi and Kalish Uz,(ZnTe) = (0.125 ± 0.01)8,

observe that although there is a factor of about 2 between these experimental results and ours, the trend in the relations between the anions and cations is reproduced.

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