

**15. Indexing Diffraction Patterns****Problems**

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15.1. Find the zone-axis direction (a direct-lattice vector) corresponding to the cross-products of each of the following pairs of reciprocal-lattice vectors. Remove common factors.

- a)  $(100) \times (010)$ ,      b)  $(110) \times (011)$ ,      c)  $(420) \times (02\bar{2})$ ,      d)  $(31\bar{1}) \times (111)$
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