



Classic examples of the concentration dependence of the solid solution strength increment  $\Delta\tau$ . Solutes with symmetric strain fields such as the substitutional case of Cu dissolved in Al (□) generally have a modest strengthening effect, while asymmetric strain fields associated with, e.g., interstitial C in Fe (●) or N in Nb (○) produce more significant strengthening. (Data are from C. A. Wert, *Journal of Metals*, vol. 188, pp. 1242-1244, 1950, P. R. V. Evans, *Journal of the Less-Common Metals*, vol. 4, pp. 78-91, 1962, and T. J. Koppenaal and M. E. Fine, *Transactions of the Metallurgical Society of AIME*, vol. 224, pp. 347-353, 1962.)

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