

On the inflation, deflation and self-similarity of binary sequences. Application: a one-dimensional diatomic quasicrystal

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1987 J. Phys. A: Math. Gen. 20 5743

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## CORRIGENDUM

### **On the inflation, deflation and self-similarity of binary sequences. Application: a one-dimensional diatomic quasicrystal**

Aviram I 1987 *J. Phys. A: Math. Gen.* **20** 1025-43

(a) The formulation of lemma L on p 1027 will be improved if one replaces the first sentence by the following: 'Let  $\sigma$ ,  $\tau$  be real numbers, one of which (say  $\sigma$ ) is assumed irrational. Let  $\theta_1$  and  $\theta_2$  be real numbers, and  $k \in \mathcal{N}$ .' The proof remains unchanged. As a consequence of this reformulation, the derivation of  $\alpha'$ ,  $\beta'$ ,  $\omega'$ , immediately following equation (30) constitutes a *constructive proof* of the fact that the deflated sequence is indeed a  $p$ -sequence. The author is indebted to S Goshen for making this observation.

(b) On p 1031, the first line following equation (19), replace 'At  $\beta = h - 1 \dots$ ' by 'At  $\beta = h \dots$ '.

(c) On p 1031, the fourth line following equation (19), the equality in the text should read:  $(h - \frac{1}{2}) / (h + \frac{1}{2}) = h / (2h + 1) + (h - 1) / (2h + 1)$ .