

# Errata: Lattice theory, circular statistics and polynomial phase signals

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1. Page 63, final paragraph. It is claimed that the lattices  $V_{n/m}^*$  have an *obtuse superbasis*, i.e. the are of *Voronoi's first type*. This is false. Cases can be found where the Selling parameters of these lattices are positive.
2. Section 4.2.2, page 57. It is stated that

A generator matrix for  $V_{n/m}^*$  is easily derived as any  $n$  columns of the  $N \times N$  orthogonal projection matrix

$$\mathbf{Q} = \mathbf{I} - \mathbf{X}(\mathbf{X}^\dagger \mathbf{X})^{-1} \mathbf{X}^\dagger. \quad (1)$$

This is not quite correct. You must take  $n$  *consecutive* columns of the generator matrix.