




## Correction to: Distance between vertices of lattice polytopes

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### Correction to: Optimization Letters <https://doi.org/10.1007/s11590-018-1338-7>

The erratum mostly concerns Table 4 and Figure 6 where two polytopes were misrepresented in the original version of <https://doi.org/10.1007/s11590-018-1338-7>. In addition, we wish to point out the following typographical mistakes:

- (i) all the occurrences of  $\delta(d, k - 1)$  in Section 3 should be replaced by  $\delta(d - 1, k)$ ;
- (ii)  $\tilde{v} \prec (k, \dots, k) - u$  in Section 3.2.2 should be replaced by  $u \prec \tilde{w}$  with  $w = (k, \dots, k) - v$ ;
- (iii) the statement *a lattice (3, 4)-polytope such that  $d(u, v) = 5$*  in Section 3.2.6 should be replaced by *a lattice (3, 4)-polytope such that  $d(u, v) = 6$* ; and

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The original article can be found online at <https://doi.org/10.1007/s11590-018-1338-7>.

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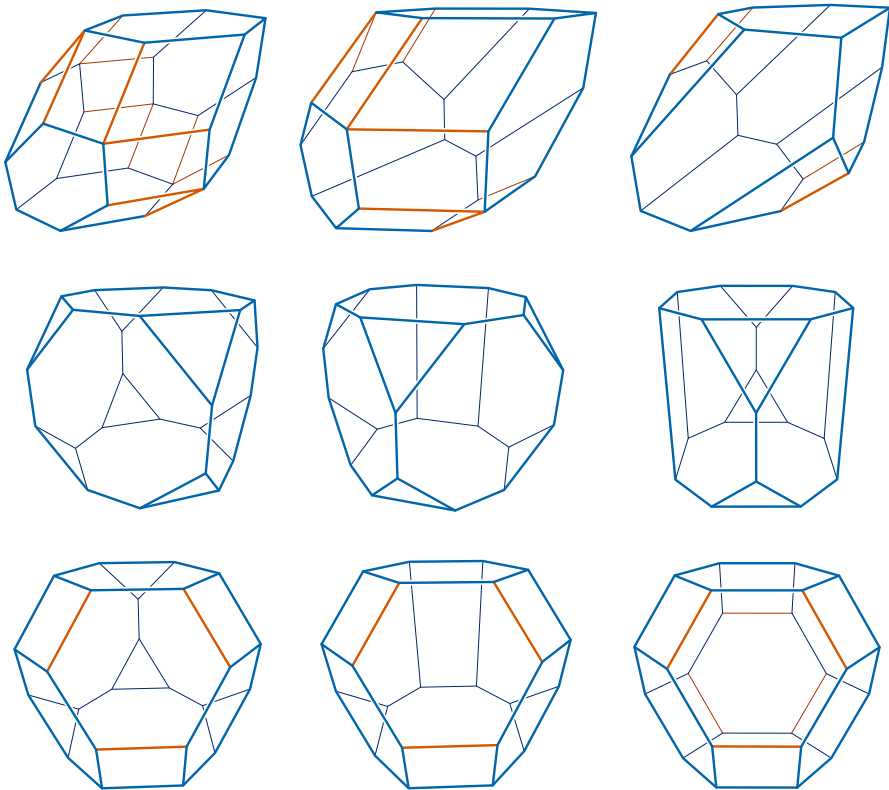
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**Table 4** Some combinatorial properties of the lattice (3,3)-polytopes with maximal diameter

Polytope	$f_0(P)$	Vertex incidence	$f_2(P)$	Facet incidence
$P_1$	26	20{3}+6{4}	18	12{4}+6{6}
$P_2$	23	20{3}+3{4}	15	9{4}+6{6}
$P_3$	20	20{3}	12	6{4}+6{6}
$P_4$	24	24{3}	14	8{3}+6{8}
$P_5$	22	22{3}	13	6{3}+1{4}+2{6}+4{8}
$P_6$	20	20{3}	12	4{3}+2{4}+4{6}+2{8}
$P_7$	24	24{3}	14	4{3}+3{4}+4{6}+3{8}
$P_8$	22	22{3}	13	2{3}+4{4}+6{6}+1{8}
$P_9$	24	24{3}	14	6{4}+8{6}



**Fig. 6** All, up to the symmetries of  $[0, 3]^3$ , lattice (3,3)-polytopes of diameter 6

(iv)  $F_i^-(P) = \{x \in P : x = \gamma_i^-(P)\}(\dots)F_i^+(P) = \{x \in P : x = \gamma_i^+(P)\}$  after Lemma 1 should be replaced by  $F_i^-(P) = \{x \in P : x_i = \gamma_i^-(P)\}(\dots)F_i^+(P) = \{x \in P : x_i = \gamma_i^+(P)\}$ .

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