The median of an abstract cubic tree

In this work, is analyzed the problem of median finding for an abstract cubic tree. Is defined the abstract cubic tree T^3 as a conex cubic complex, non-oriented and acyclic K^3, which satisfies the following conditions:

1) any k-dimensional cube I^K, $0 \le k \le 2$, of the complex K^3 belongs to at least one 3-dimensional cube from K^3;
2) $\forall I^k \in \mathrm{int}\, K^3$, $0 \le k \le 2$, belongs to at least 2^{3-k} k-dimensional cubes from K^3;
3) if 0-dimensional I^0 elements exists in $bd\, K^3$ border, such that $st(2) I^0$ contains three *2*-dimensional cubes from $bd\ K^3$, then $st(2)\, I^0$ defines 3-dimensional cube from K^3.

It is proven that the border of the cubic abstract tree is an abstract sphere $\sum_0^2$. The T^3 tree is included in the *m*-dimensional space cube, where *m* represents the number of classes of parallel sides of the T^3. The problem of the median is solved in this *m*-dimensional space, without using the metrics of the space, and its solution determines the median of the T^3 tree.