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Linear octree

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A **linear octree** is an [octree](#) that is represented by a linear [array](#) instead of a [tree data structure](#).

To simplify implementation, a linear octree is usually complete (that is, every [internal node](#) has exactly 8 child nodes) and where the maximum permissible depth is fixed a priori (making it sufficient to store the complete list of [leaf nodes](#)). That is, all the nodes of the octree can be generated from the list of its leaf nodes. [Space filling curves](#) are often used to represent linear octrees.



*This [algorithms](#) or [data structures](#)-related article is a *stub*. You can help Wikipedia by [expanding it](#).*

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