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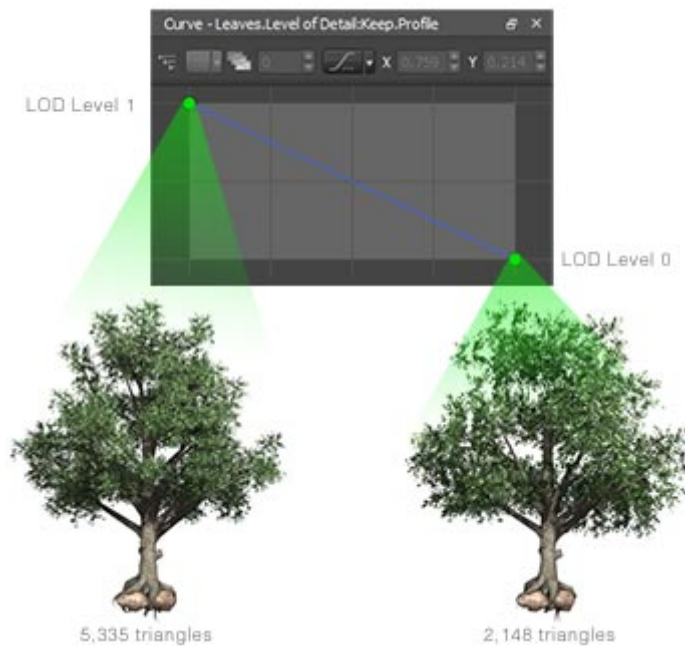
Trace: • [lod\\_curves](#)

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## LOD Curves

Dark blue curves are LOD (level of detail) curves, and only occur in LOD property groups. 'LOD curves' govern the progression of the LOD sequence for each LOD property. In most cases, a linear progression is best suited, so that each LOD step simplifies the tree about the same amount. At times it is beneficial to force a particular LOD state either earlier or later in the sequence than would occur linearly. This is achieved via 'LOD curves'.

With 'LOD curves', the left side of the curve always corresponds to the highest LOD state (1.0), and the right side always corresponds to the lowest LOD state (0.0). This lets you have some play with the results of LOD. If your LOD step is too aggressive, move the right endpoint up a little bit to soften the effect at lower LOD's.



## Editing the highest LOD state with LOD curves

Inversely, the left endpoint can be adjusted to alter the highest LOD state. Use this method with care, however, since these kind of edits can easily convolute a tree setup for users who are not familiar with 'LOD curves'.

With that in mind, editing the highest LOD state does hold a great deal of power for advanced users. For instance, to reduce polygon counts, slightly lower the left endpoint of the Branch volume threshold property on the highest branch level. A few of the smallest branches will be removed, but any children (such as leaves) will remain as part of the tree, since the “phantom” branches they were growing from are only hidden via LOD, instead of being hard deleted.

For more info on LOD, please refer to the Level of Detail page in this help manual.

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