Merry Christmas and a Happy New Year 2022

Machines might have a sense for Christmas after all!

This scene of three trees was reconstructed from an unoriented point cloud with scan shadows. Our neural network Points2Surf [1] estimates a signed-distance function from a local and a global subset of the point cloud. By relying not only on global data, it is independent from object classes.

Scan the QR code or follow the link on the right to visit our procedural Christmas song generator. It uses a musical grammar [2] inspired by split and shape grammars. Feel free to play around with the exposed parameters or let the random generator surprise you.

References


https://xmas.cg.tuwien.ac.at/2021/song
Philos. Lip.