



Oppenheimer-Snyder collapse according to R. Penrose (left) and P.C. Computer (right) using FLRW + Novikov coordinates. In the left plot radial in- (red) and out-going (green) radial null geodesic are drawn. Also lines of constant Schwarzschild radius (gray). Based on the displayed null cones and other important lines in both plots sketch the shape of four cyan hypersurfaces of constant „Penrose time“ into the right plot.