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Degenerate nonlinear partial differential equations in curvature flows

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In this talk, we are going to discuss Degenerate Nonlinear Partial Differential Equations in Curvature Flows with a noncompact graph as its initial hypersurface. The solution can be expressed as a graph with infinite height on the boundary of its support. We will discuss uniform estimates of the solution up to the infinite height, the evolution of the boundary of its support, and its geometric properties preserved under the flow.