USD Emerging Geometry Interest Group Charter

This Interest Group Charter establishes the Scope and intellectual property terms used to develop the materials identified in this Interest Group Charter for the Project. Only Project Steering Members, General Members, and Interest Group Member Organizations, as applicable, that joined this Interest Group Charter will be bound by its terms and be permitted to participate in this Interest Group.

1. **Interest Group Name**: USD Emerging Geometry
2. **Interest Group Scope**:
   a. Learning and sharing experiences on emerging technologies related to 3D asset representation. The initial focus will be:
      i. Assets generated via neural reconstruction (NeRF & Gaussian Splats)
      ii. Signed Distance Field primitives and general SDF operators
   b. Explore interoperability between the new representation and traditional representations like parametric surfaces and meshes already part of the USD geometry schemas

   Out of Scope: Any existing geometry schemas already part of the USD specifications. Per Section 4.2 of the AOUSD Processes, all Interest Groups, including this Interest Group, "cannot develop, propose or publish any normative documents (e.g., schemas), including Deliverables."
3. **Effective Date of Charter:** June 1, 2024
4. **Date of Charter Review/Expiration (one year after effective date):** May 31, 2025
5. **Planned Output:** meeting notes, progress reports and recommendation on when any of these emerging technologies will reach a sufficient level of stability to consider formalization in the Geometry Working Group.
6. **Connected AOUSD Working Groups (existing or future):** Based on identified priorities, this group may provide recommendations to the Geometry Working Group
7. **Additional Interest Group Provisions:** This Interest Group will operate under (1) the Copyright Grant, Patent Licensing, and Source Code Terms defined below; and (2) all applicable terms in the Alliance for OpenUSD Process & Procedures, available on the Alliance's website.
8. **Copyright Grant**. Each Interest Group Participant grants to the Project a perpetual, worldwide, non-exclusive, no-charge, royalty-free, copyright license, without any obligation for accounting, to reproduce, prepare derivative works of, publicly display, publicly perform, sublicense, and distribute any Submission made by the Interest Group Participant to the full extent of the Interest Group Participant's copyright interest in the Submission.
9. **Ownership of Collective Works.** By participating in an Interest Group, the Interest Group Participant agrees that all copyright created in the collective work belongs to the Project.
10. **Patent Licensing.** By joining this Interest Group, each Interest Group Participant agrees that, to the extent it makes any Submission to this Interest Group which is subsequently included in an Approved Deliverable ("Connected Approved Deliverable") developed by any AOUSD Working Group explicitly identified in Section 6 of this Interest Group's Charter, the Interest Group Participant shall make available any of its Essential Claims, as defined in the W3C Patent Policy (available at *https://www.w3.org/Consortium/Patent-Policy-20040205/*), under the W3C RF licensing requirements

in Section 5 (*https://www.w3.org/Consortium/Patent-Policy-20040205/),* in such Submissions, in whole or in part, that are included in any Connected Approved Deliverable as if the Connected Approved Deliverable was a W3C Recommendation.

"Submission" means any material, including any modifications or additions to an existing work, that the Interest Group Participant submits for inclusion in any documentation or other output developed by the Interest Group.

11. **Source Code.** Interest Group Participants contributing source code to this Interest Group agree that those source code contributions are subject to the Developer Certificate of Origin version 1.1, available at http://developercertificate.org/, the Apache 2.0 license, available at http://www.apache.org/licenses/LICENSE-2.0.html, and any policies and governance rules included in the source code's repository.