



Media visualization of SIGGRAPH Art Shows

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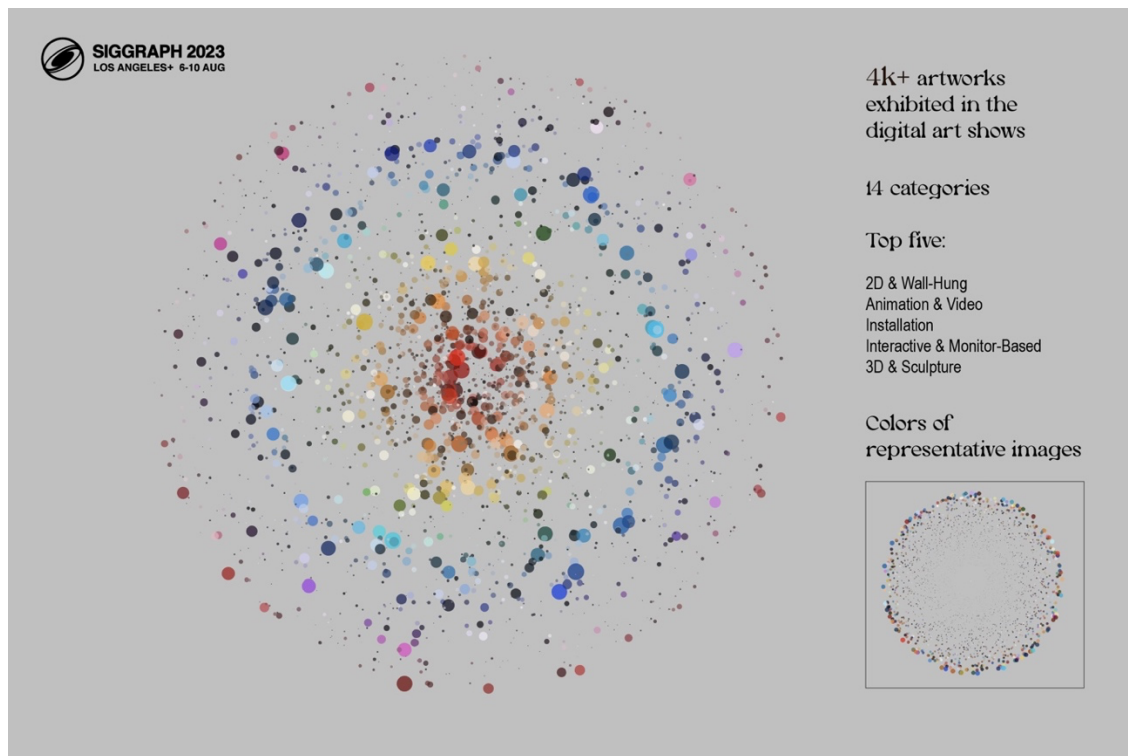
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At the heart of the Association for Computing Machinery (ACM), founded in 1947, the special interest group in computer graphics and interactives techniques (SIGGRAPH) started activities in 1973 and organized its first conference in 1974.

Shortly after, in 1981, two art events occurred at the SIGGRAPH Conference: The 2nd SIGGRAPH sponsored Art Show and a Frame Buffer Show. Ever since that year, a series of artistic events have been organized. Today, such events include the Art Gallery, the Art Papers, the Art Talks, and the Digital Arts Community.

As part of the celebration of the SIGGRAPH 50th anniversary, we produced a series of artistic media visualizations for the dedicated booth. The poster we submit shows more than 4.000 artworks. Each entry is depicted as a dot and takes its color from the representative image available in the database (<https://history.siggraph.org/>).

The spatialization layout was produced directly with trigonometric functions implemented in JavaScript code. It locates each dot in a radial visualization of dominant HSL colors sorted by Hue.

For aesthetic purposes, we deliberately reduced the size of dots whose saturation value is elevated, highlighting mainly brilliant colors. Although categories, names, titles, themes, and years are not explicit in the output, they relate to a particular fingerprint of the database given by the clusters of colors. The visualization intends to evoke the splash painting technique while inviting the viewer to know more about the content of the Art Shows.