Density Fields is an investigation into the accumulation of material densities and their resultant structural and spatial effects.

This extreme cantilever built of aluminum and polypropylene rope hovered over the courtyard of Materials & Applications in Silver Lake, Los Angeles through February of 2008.

Defying classification as either sculpture or architecture, the piece flexes with a gesture that projects a dynamic set of trajectories beyond the small courtyard, toward adjacent buildings and features within the neighborhood.

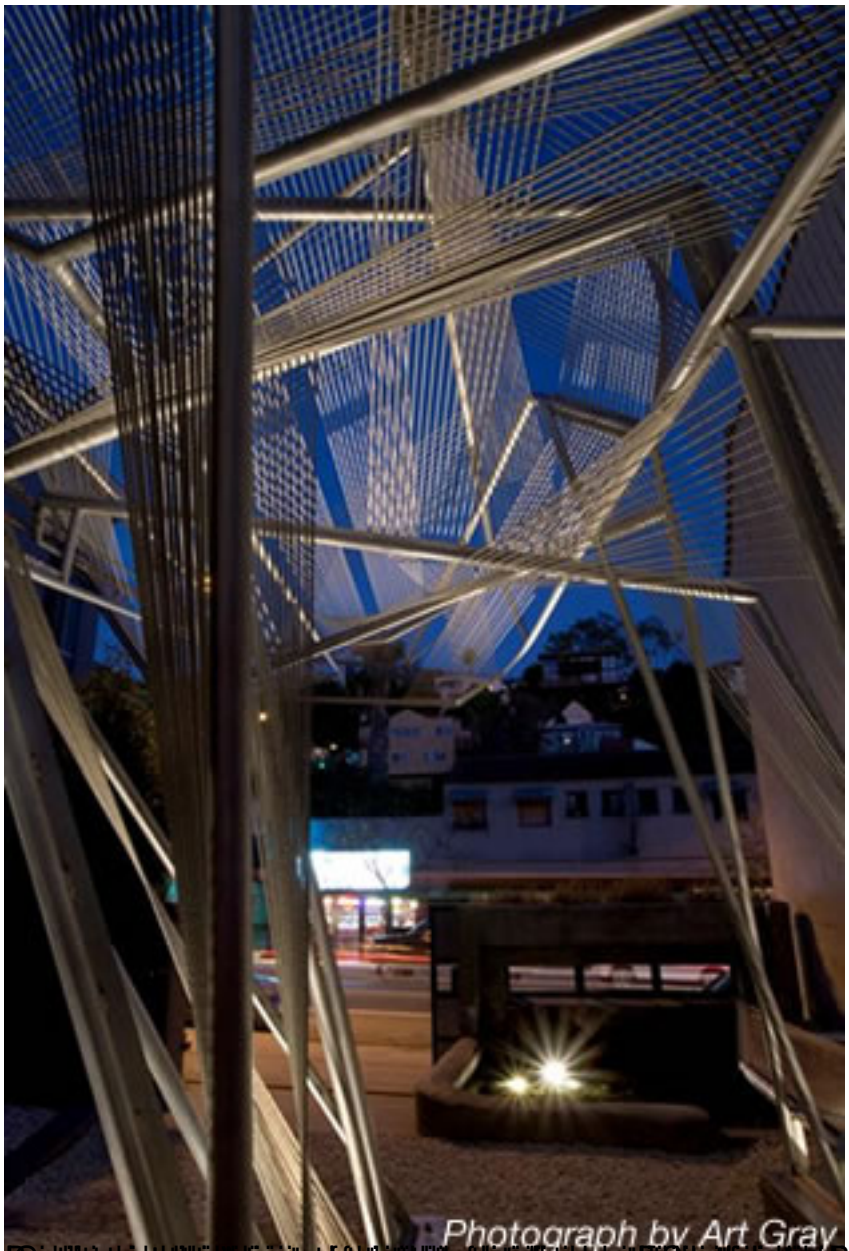
The architect's goal was in balancing a set of structural ideas, the programmatic needs of the space, and the desire to use basic geometries to create a rich spatial experience within the space itself.

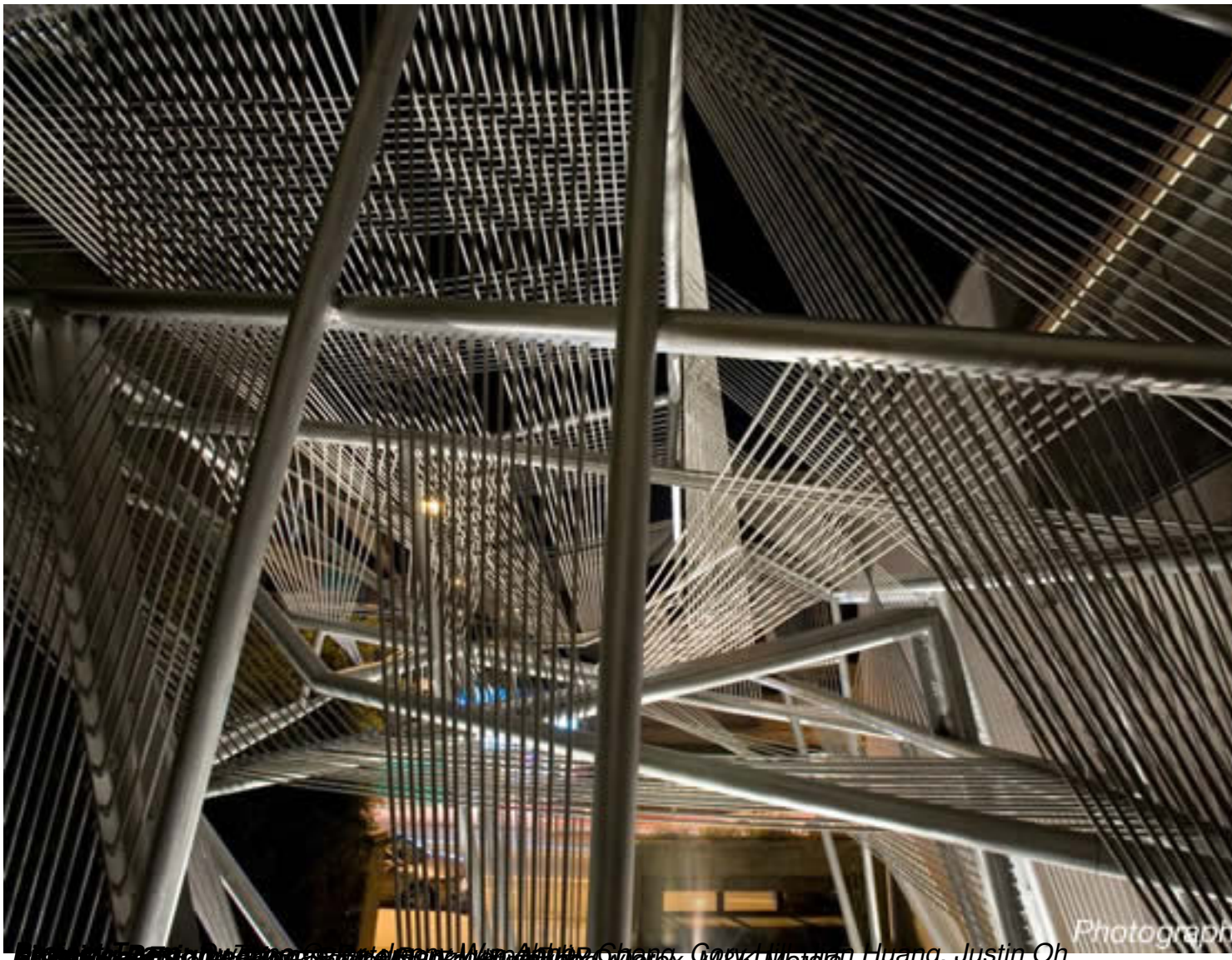
The primary structural question posed by the piece is, “What makes the idea of using lines different in terms of their structural properties and how might that be exploited in creating an architectural affect?”

The idea addresses tensile properties, thereby limiting the structural possibilities, but also allows for a more specific way of designing that exploits tensile strength.

Photograph by S

Photograph by Art Gray


Photograph by Art Gray



[illegible] Chang, Cory Hu, Jian Huang, Justin Oh
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