# Minkowski Sum of Two LP Polygons And Its Relatives 

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Minkowski sum of two points $a$ and $b$ in the most natural manner is

$$
A+B=\{a+b \mid a \text { belong to } A, b \text { belong to } B\}
$$

where $a+b$ is the vector sum of two points. Convolving two LP polygons and establishing some relation involving its solutions is also an incremental result towards the study of combinatorial structure of LP polytope and a combinatorial algorithm for solving LP problem.

This is a joint work with Nasiruddin Khan.

