

Geometry Seminar  
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Room 201 WWH at 6:00 P.M.

# Omittable Planes

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Given a collection of lines in the plane, a line is called "omittable" if its deletion from the collection removes no point of intersection. Analogously, given a collection of planes in 3-space, a plane is called "omittable" if its deletion removes no line of intersection. In this talk I briefly describe what is known about omittable lines in the plane and then focus the investigation on various constructions and characterizations of families of omittable planes.

The talk is based on joint work with Leah Berman and Branko Grunbaum.

For more information please visit the seminar website at:

[http://www.math.nyu.edu/seminars/geometry\\_seminar.html](http://www.math.nyu.edu/seminars/geometry_seminar.html).