

Symplectic quasi-states and applications

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Symplectic quasi-states are certain functionals which arose at the intersection of symplectic topology and (modern) functional analysis. The specific symplectic quasi-states which will be defined in this talk come from Floer homology and consequently enjoy many nice properties. These properties allow for various applications, and we'll demonstrate two of them: restrictions on partitions of unity and simultaneous measurements in classical mechanics.

1:00 p.m.
Math 520
Columbia University