

Cube diagrams and a homology theory for knots

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A cube diagram is a representation of a knot embedding that is closely related to grid diagrams. I will present a finite set of moves that generate all isotopies of cube diagrams. Finally, I will describe a homology theory based upon cube diagrams. This homology theory is completely determined by the knot Floer homology of the knot.

1:00 p.m.
Math 507
Columbia University