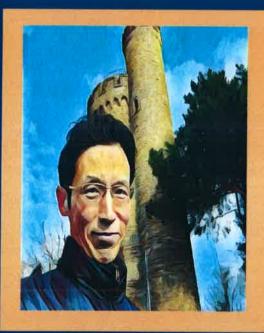# UNIST | 수리과학과

Mathematical Sciences Colloquium

Scattering Amplitudes - new twists on old ideas

Professor

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>>>Venue(110-N103)<<<

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Abstract

This talk is a gentle introduction to scattering amplitudes in quantum field theory (QFT) aimed primarily for students of mathematics. QFT was first introduced by physicists almost acentury ago, but the mathematical foundation of QFT is still far from complete. Scattering amplitude is a small sub-area of QFT, but still poses a variety of challenging problems that require collaboration among physicists and mathematicians. Topics to be covered in the talk include spinor-helicity variables, BCFW recursion relation, color-kinematics duality and Grassmannian integral