# Spring 2018 Kolchin Lecture

#### Professor Hugh Woodin (Harvard University)

### Wednesday, April 18, 2018 Room 520 at 4:30pm

## "Ultimate L"

#### Abstract

Just cere 30 years ago the modern era of Set Theory began with Coheral discovery of the method of hercing and his proof of the integreductics of the Constraint Hypothesis in the ZPC account of Set Theory 25 years before Cohera discovery of Senarg, Cohed discovers the Constraint for Universe of Sec and defined the same "V = U which is the action that account the constraint for Constraint Methods implice the Constraints" Hypothesis and more responsely. Cohera workshot of Foreing among the used in the constraint "Y = U which is constraint of the same that every of the foreing among the used in the constraints" is the constraint of the same of Y = U.

However the axism "V = L" must be rejected since it limits the fundamental nature of infinity In particular the axiom refutes (most) strong axioms of infinity.

A key question emerges. Is there an ultimate' version of Cddd's constructible universe yielding an axiom "V - Ultimate." which entitis the power of the axiom /V - 2/ for encolorgy questions like that of the Continuum Hypothesis, which is this memuae against Cohern' mechod of forcing, and yet which does not refine transp axioms a similarity.

Until recently there seemed to be a number of convincing arguments as to why no such ultimate I, can possibly exist. But the situation is now changed.

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