Logic revisited through informatics

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Abstract

The climateric date in recent logic is 1931 : incompleteness puts an end to XIXth century, scientist logic. However, XXth century logic, which starts with Gentzen, Herbrand and Kolmogorov was still relying on XIXth century schemes: Hilbert's formalism and Russell's logicism, until computer science, through its multiple connections with logic, provided a fresh grid.

Indeed, the logical universe can be enlightened by three basic oppositions :
1. What is an answer (implicit/explicit) ?
2. What is a question (formatted/informal) ?
3. What conveys certainty (epidictic/apodictic) ?

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