

## PART TWO

## Main content

Reporter:贾康

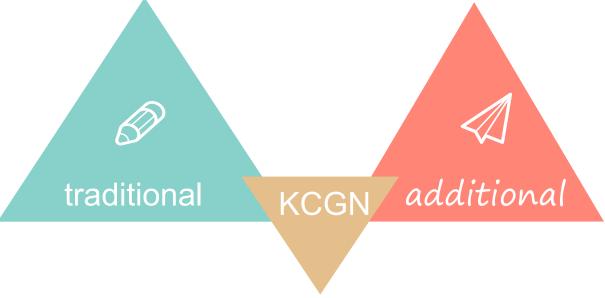
## additional

## **Recommendation system**

traditional

Single relationship between single user and item.

- 1. Social relationship between users,
- 2. Relationship between items,
- 3. Multiple relationships between users and items (purchase, browse, add to shopping cart, etc.)



Knowledge-aware Coupled Graph Neural Network