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Popularity and user diversity of online objects

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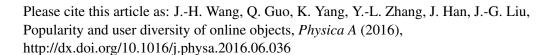
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We introduce a measurement to measure diversity of users who select or rate one type of objects.

Small-degree objects are usually selected by large-degree users while large-degree objects are usually selected by small-degree users.

As objects become popular gradually, they are more likely accepted by small-degree users but lose attention among the large-degree users.

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