Discovering Galaxy Mergers Using Offset Quasars

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Galaxy Mergers can Switch on Quasars

Simulations from Blecha et al., MNRAS, 2018
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How can we find them?

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Properties of Offset Quasars from HST
Properties of Offset Quasars from *HST*

Imaging:  
Sloan Digital Sky Survey
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Selecting galaxy mergers with very small separations - when quasar activity is most extreme

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**new result:** mergers with only one quasar tend to have unequal size galaxies

single quasars are associated with less violent mergers

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