Completeness test $<V/V_{máx}>$ (Schmidt 1968)

- Essence of the test:

Observational selection criteria

Region of space

Distribution of objects statistically uniform (?)

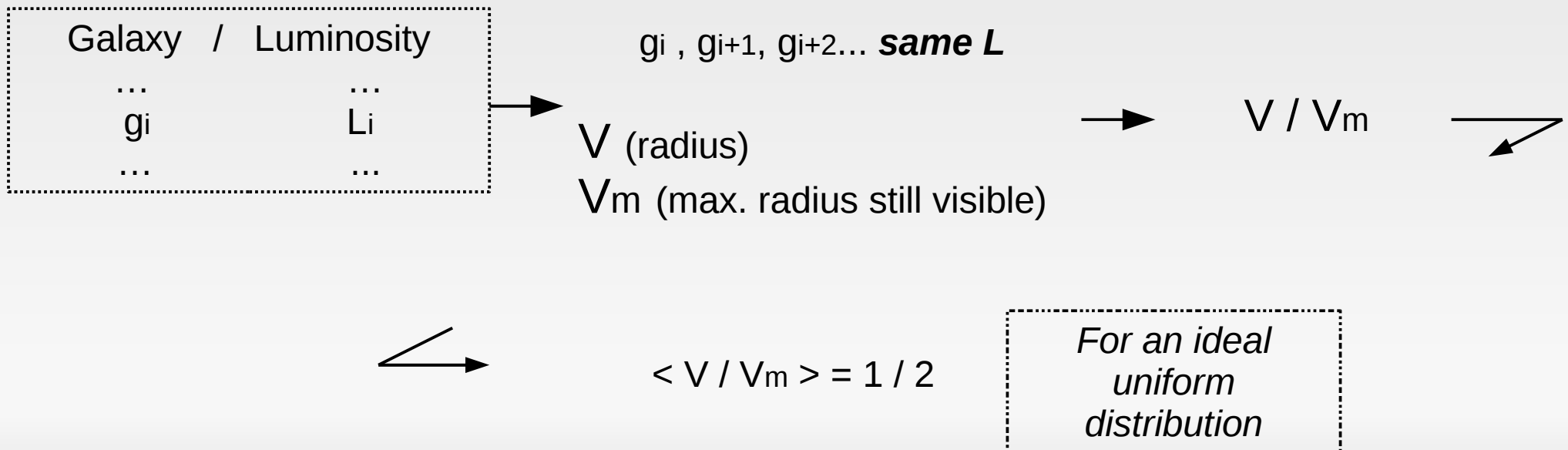# Completeness test <V/V$_{máx}$> (Schmidt 1968)

- Essence of the test:
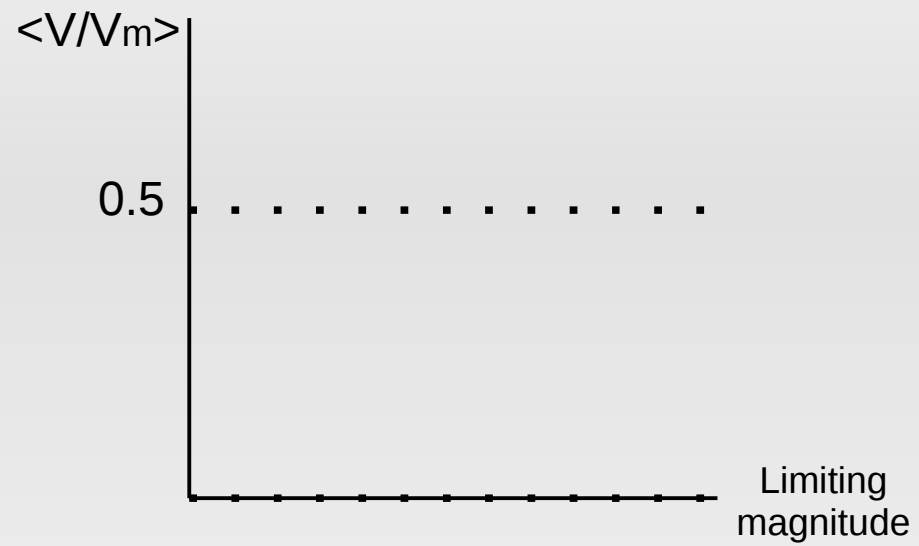
Observational selection criteria   Region of space

Distribution of objects statistically uniform (?)

- Example:

Galaxy / Luminosity
...   ...
g$_i$ L$_i$
...   ...

g$_i$, g$_{i+1}$, g$_{i+2}$... *same L*

V (radius)
V$_m$ (max. radius still visible)

V / V$_m$

$< V / V_m > = 1 / 2$

For an ideal uniform distribution

- Ideal scenario:

<V/V$_m$>

0.5 . . . .

Limiting
magnitude
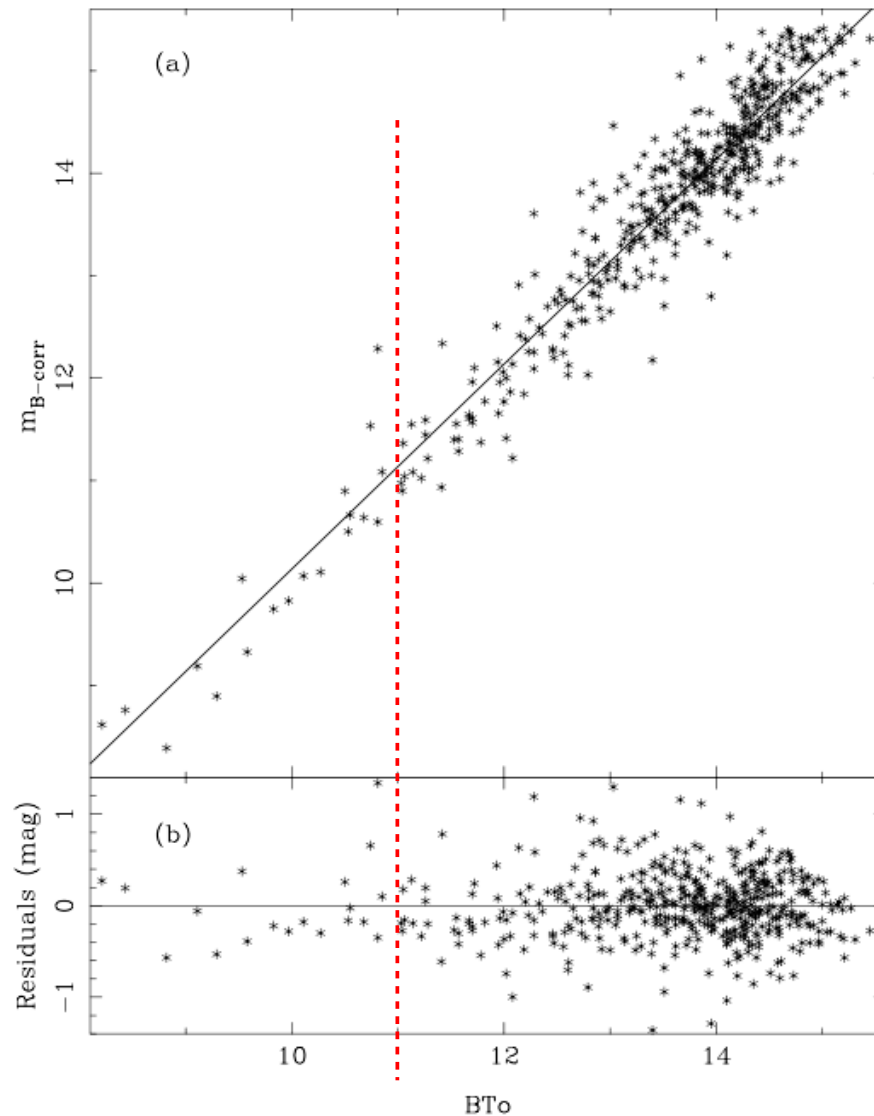
- Ideal scenario

- AMIGA I:

- Ideal scenario:

$<V/V_m>$|

- AMIGA I:

Filled → recession velocity available (937)
Open → whole sample (1031)