As a function of the # of test statistics

Each point represents a sample of 500 P−values

 # perms
- ■ 500
- ● 1000
- ◇ 2000
- ▽ 3000
- ✕ 4000
- ＋ 5000

X-axis: Number of test statistics used with PhiMr
(0 corresponds to testing without PhiMr filter)

Y-axis: P-value Standard Deviation
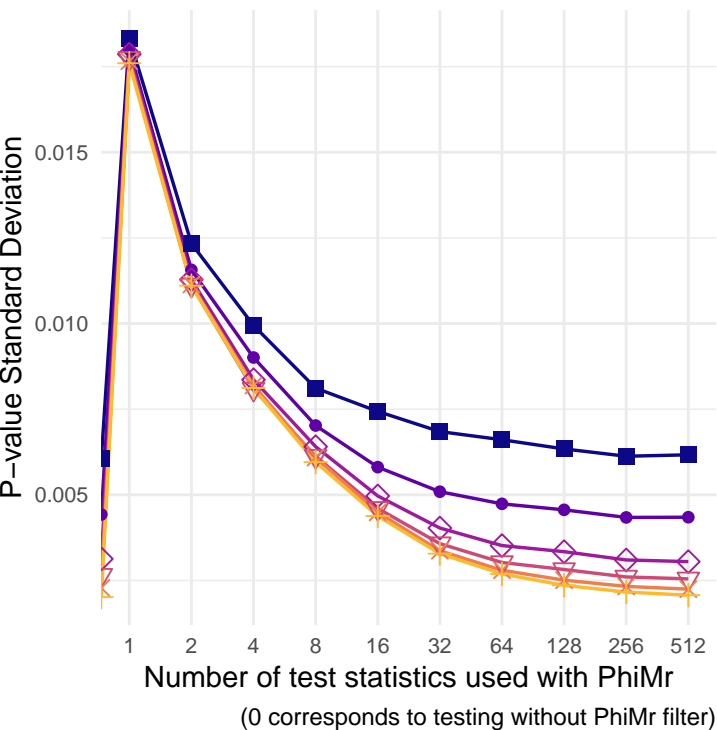
As a function of the # of permutation statistics

Each point represents a sample of 500 P−values

 # test stats
- ■ 0 (no filter)
- ▲ 1
- ● 2
- ◆ 4
- ⊞ 8
- ◇ 16
- △ 32
- ▽ 64
- ⬡ 128
- ✕ 256
- ＋ 512

X-axis: Number of permutations

Y-axis: P-value Standard Deviation