

Edit Distance d_1

-2-

$$v(G) = v(H) = n$$

$$d_1(G, H) = \frac{1}{n^2} \cdot \min_{\sigma: V(H) \rightarrow V(G)} |E(G) \Delta \sigma(E(H))|$$

If $v(G) \neq v(H)$, use "fractional" σ .

d_1 is needed in Stability

Not good for limits: 😞

$G_n =$ random graph $\mathcal{G}_{n, 1/2}$

A.S. $d_1(G_n, G_m) \approx 1/4 \not\rightarrow 0$

Cauchy

No ~~convergent~~ subsequence

(with prob. 1) wrt δ_1 .