$$\exists \tan x = t, \quad \sec x = \sqrt{t^2 + 1}$$

$$\int \frac{1}{\sin^3 x + \cos^3 x} dx = \int \frac{\sec^3 x dx}{\tan^3 x + 1} = \int \frac{\sec x d(\tan x)}{\tan^3 x + 1} = \int \frac{\sqrt{t^2 + 1} dt}{t^3 + 1}$$

$$= \int \frac{\sqrt{t^2 + 1} dt}{(t+1)(t^2 - t + 1)} = \frac{\sqrt{t^2 + 1} dt}{t + 1} + \int \frac{\sqrt{t^2 + 1} dt}{t^2 - t + 1}$$

$$\exists A \ has \ citations \ from \ T_1,...,T_n$$

$$d \approx 0.85 | d \in (0,1)$$

$$PR(A) = (1-d) + d \sum_{i=1}^n \frac{PR(T_i)}{C(T_i)}$$

$$R(u) = c \sum_{v \in B_u} \frac{R(v)}{N_v}$$

$$if |B_u| = 1, \exists v_\sigma \in B_u, \ then \ u \in F_{v_\sigma}, R_u = \frac{cR_{v_\sigma}}{|F_{v_\sigma}|}$$

$$A_{u,v} = \begin{cases} \frac{1}{|F_u|}, u \to v \\ 0, u \to v \end{cases}$$

$$R_i = cA_{u,v}R_{i-1}$$

$$R'(u) = c \sum_{v \in B_u} \frac{R'(v)}{N_v} + cE(u)$$

$$R'_i = c(A + E \times 1)R'_{i-1}$$

 ${\bf Markov Chains}$