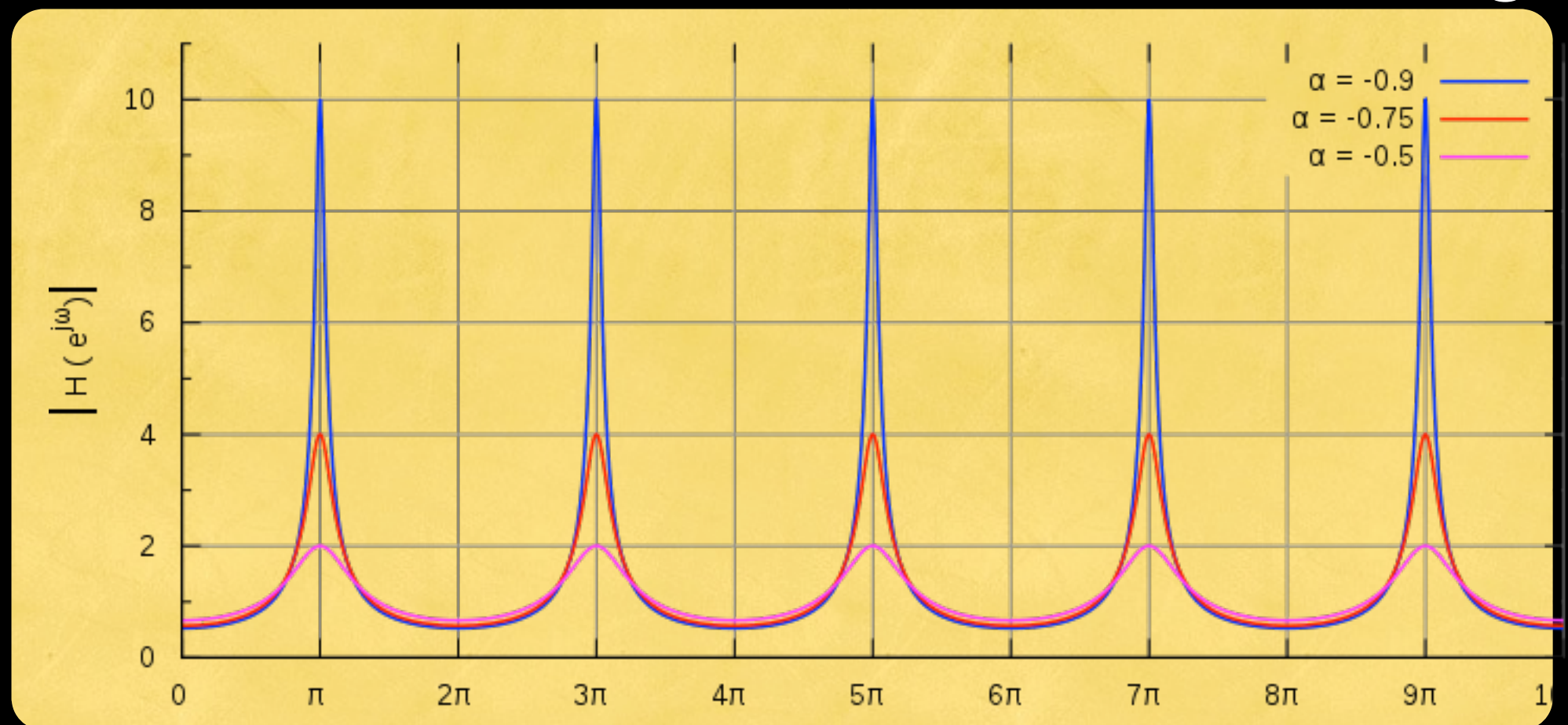


Comb Filtering

- comb~

Feedback comb filtering



- Fundamental frequency of a Comb filter is the inverse of the delay time
e.g. delay time = 5 ms, Comb peaks occur at 1/200th of a second, or 200, 400, 600 Hz etc.

- Feedback

$$y[n] = x[n] + \alpha y[n - K]$$

- Feedforward

$$y[n] = x[n] + \alpha x[n - K]$$

- Max Combines them:

$$y_t = ax_t + bx_{(t-d)} + cy_{(t-d)}$$

