

ARAS

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DTMF keypad frequencies (with sound clips)

	1209 Hz	1336 Hz	1477 Hz	1633 Hz
697 Hz	1	2	3	A
770 Hz	4	5	6	B
852 Hz	7	8	9	C
941 Hz	*	0	#	D

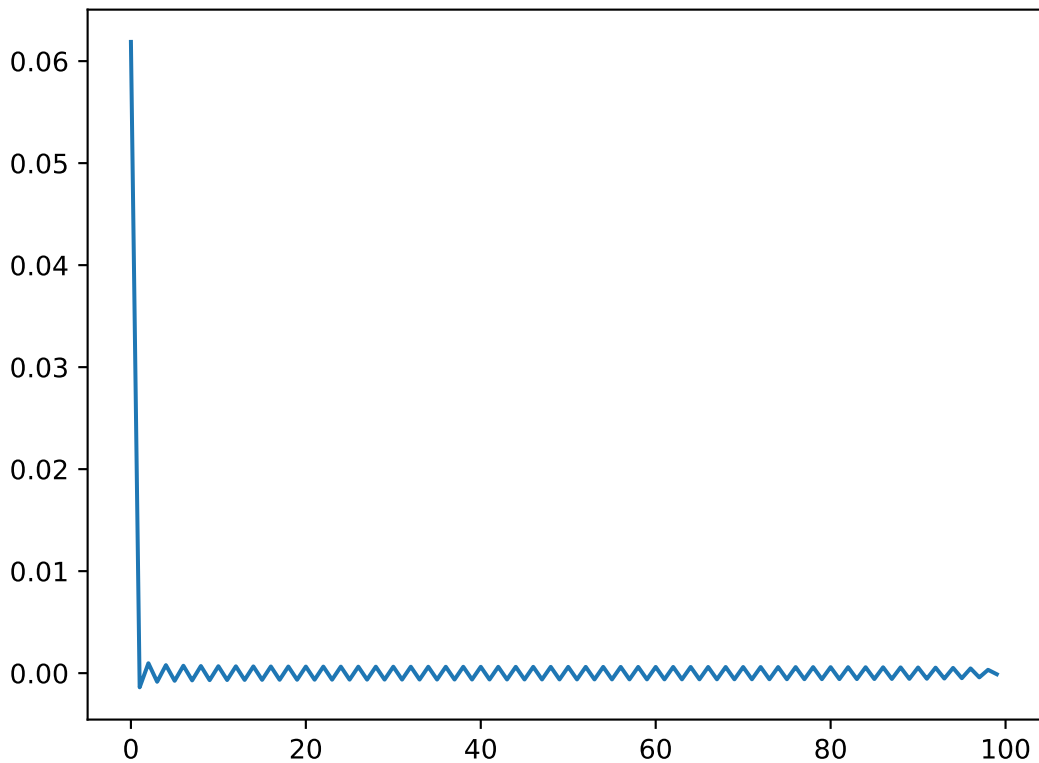
Dual-tone multi-frequency signaling

Dual-tone multi-frequency signaling (DTMF) is a telecommunication signaling system using the voice-frequency band over telephone lines between telephone equipment and other communications devices and switching centers. DTMF was first developed in the Bell System in the United States, and became known under the trademark Touch-Tone for use in push-button telephones supplied to telephone customers, starting in 1963. DTMF is standardized as ITU-T Recommendation Q.23. It is also known in the UK as MF4.

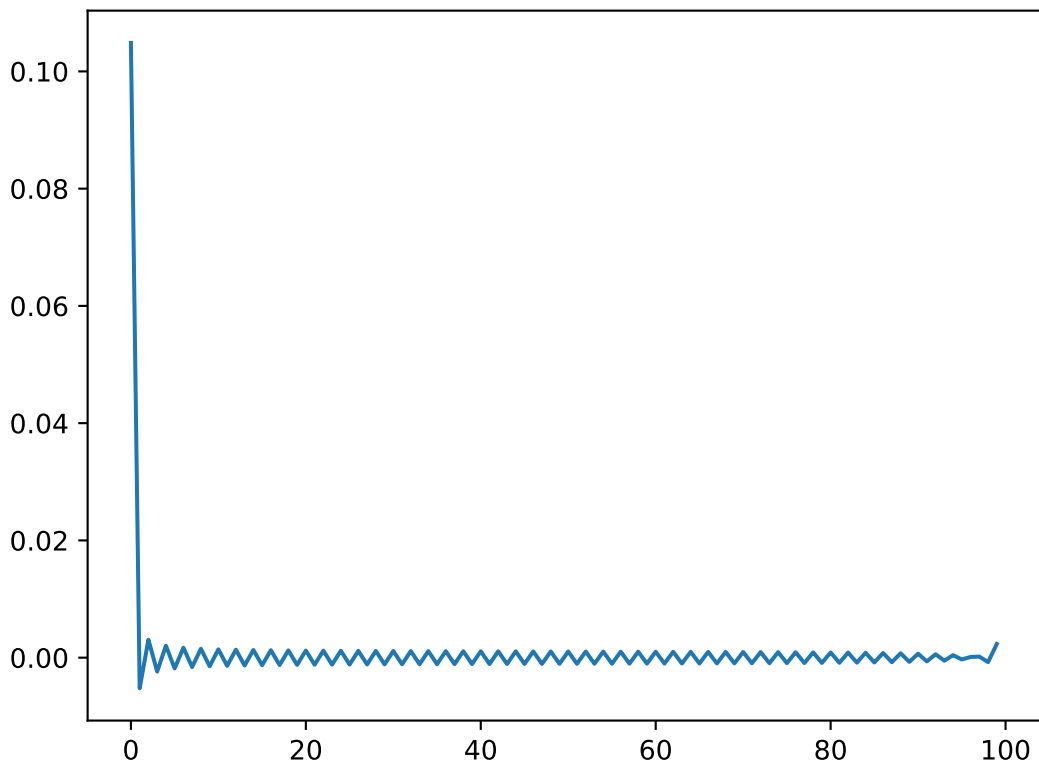
(https://en.wikipedia.org/wiki/Dual-tone_multi-frequency_signaling)



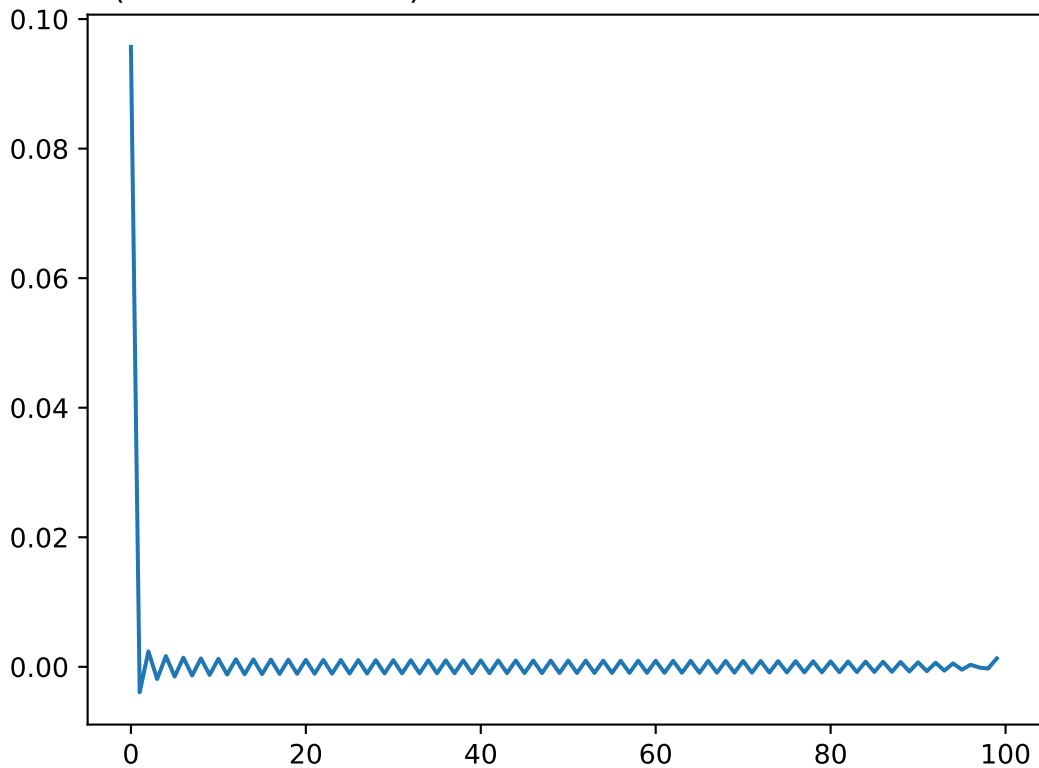
4 (770 Hz x 1209 Hz) - $F_s=44100$ Hz - Duration=0.400000 s



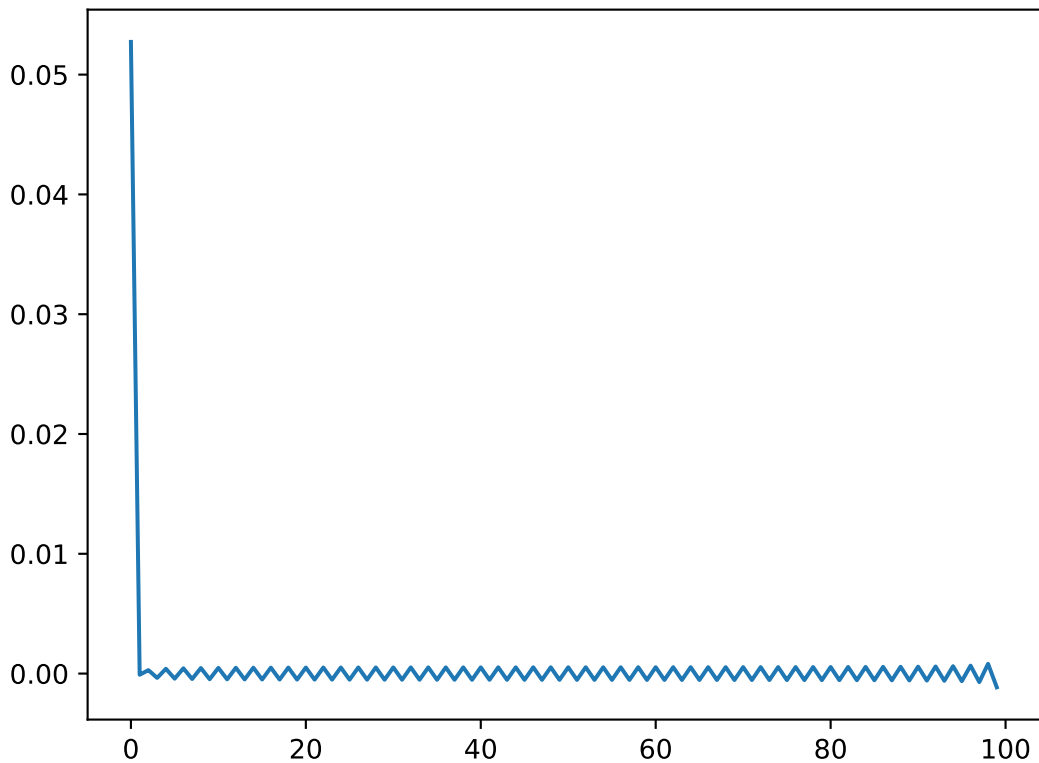
1 (697 Hz x 1209 Hz) - Fs=44100 Hz - Duration=0.400000 s



2 (697 Hz x 1336 Hz) - Fs=44100 Hz - Duration=0.400000 s



5 (770 Hz x 1336 Hz) - Fs=44100 Hz - Duration=0.400000 s



DTMF Encoded 4441251

