

Our final goal is to develop a musical instrument equalizer that can replace arbitrary musical instrument parts with users' favorite timbres (called *Sound Pallet*). *Sound Pallet* realizes timbre replacement by separating the monophonic sounds of a target musical instrument and synthesizing new sounds that have arbitrary pitch and duration from the separated sounds. *Sound Pallet* can manipulate pitch and duration of a musical instrument sound without distorting timbral characteristics by analyzing timbral features. Users can play their favorite music with their favorite timbre by using *Sound Pallet*.



ーオートジャンル ○ メタル ○ ジャズ	○ ポピュラー ● 使わない
トラック6 #Key ・	C Piano
トラック5 #Cho.G2 ・	C Trumpet
トラック4 #Guiter2 ・ ・	Violin
トラック3 #Cho.G1 ・	Electric guitar
トラック2 #Guiter1 ・	C Alto sax
#Bass •	C Electric bass

Trial interface equip the following functions:

User can replace timbres by selecting musical instruments



