





























	Conclusion
•	Objective <ul> <li>Manipulating pitch and duration of a musical instrument sound using multiple instrument sounds without distorting timbr</li> </ul>
•	characteristics Approach
	<ul> <li>We defined and analyzed timbral features.</li> <li>In pitch manipulation, we use pitch-dependency of timbre as pitch-dependent feature function</li> </ul>
	<ul> <li>In duration manipulation, we preserve attack, decay and the vibrato</li> </ul>
•	Future work
	<ul> <li>Incorporating other dependencies (e.g., volume)</li> </ul>
	<ul> <li>Evaluating our method for duration manipulation</li> </ul>
	<ul> <li>Applying our method to musical instrument parts separated from the polyphonic audio signals of commercial CD recordings</li> </ul>
=	Dinital Audio Effects DAFx-2008

## 





