Research Paper	Research Paper Name	Author
Paper 1 - arXiv:1710.11153v 2 [cs.SD] 5 Jun 2018	ONSETS AND FRAMES: DUAL-OBJECTIVE PIANO TRANSCRIPTION	Erich Elsen? Jialin Song?‡ Adam Roberts Ian Simon Colin Raffel Jesse Engel Sageev Oore Douglas Eck Google Brain Team, Mountain View, CA,
Paper 2 - arXiv:2406.15249v 1 [cs.SD] 20 Jun 2024	MACHINE LEARNING TECHNIQUES IN AUTOMATIC MUSIC TRANSCRIPTION: A SYSTEMATIC SURVEY	Fatemeh Jamshidi1 Gary Pike1 Amit Das1 Richard Chapman1 1 Department of Computer Science, Auburn University, USA { fzj0007, pikegl, azd0123, chapmro } @auburn.edu
Paper 3 - arXiv:1508.01774v 2 [stat.ML] 11 Feb 2016	An End-to-End Neural Network for Polyphonic Piano Music Transcription and comparison with	Siddharth Sigtia, Emmanouil Benetos, and Simon Dixon
Paper 4 - DOI: 10.1145/3702879. 3702914 December 2024	Research on Automatic Piano Music Transcription Algorithm Based on CNN	Yu Yu* Guangdong University of Science and Technology Dongguan, Guangdong, China
Paper 5 - Received 10 July 2024; accepted 14 November 2024; published online	Processing piano audio: research on an automatic	, Ning Dai2 , Cangzhou Normal University, Cangzhou, 061001, China

15 December 2024 DOI https://doi.org/10. 21595/jme.2024.2 4345	transcription model for sound signals	1Correspondin g author E-mail: 1wpengpw@h otmail.com, 2dn_ning@hot
Paper 6 - arXiv:2406.08454v 3 [cs.SD] 7 Oct 2024	TOWARDS MUSICALLY INFORMED EVALUATION OF PIANO TRANSCRIPTION MODELS Using Deep Learning Networks	Patricia Hu1 Lukáš Samuel Marták1,2 Carlos Cancino- Chacón1 Gerhard Widmer1,2 1 Institute of Computational Perception, Johannes Kepler University Linz, Austria 2 LIT AI Lab, Linz Institute of Technology, Austria
Paper 7 - El sevier Revised 28 April 2023 Accepted 5 June 2023 Available online 19 June 2023	Polyphonic piano transcription based on graph convolutional network	Zhe Xiaoa,b , Xin Chena,b,* , Li Zhouc
Access Received		
27 June 2024,		TAEHYEON KIM1
accepted 5 July	Polyphonic Piano Music Transcription System	, DONGHYEON LEE 1 , MAN-JE KIM 2
2024, date of	Exploiting Mutual Correlations of	, (Member, IEEE),
publication 8 July	<u>Different</u> <u>Musical Note States</u>	AND CHANG WOOK AHN 1
2024, date of		, (Member, IEEE)
current version 16		
Luly 2024		

Paper 9 IEEE/ACM
TRANSACTIONS
ON AUDIO,
SPEECH, AND
LANGUAGE
PROCESSING, VOL.
32, 2024

Harmonic-Aware
Frequency and Time
Attention
for Automatic Piano
Transcription

Qi Wang ,
Member, IEEE,
Mingkuan Liu,
Changchun Bao
, Senior
Member, IEEE,
and Maoshen
Jia , Senior
Member, IEEE

Paper 10 - A Comprehensive

	Methodology/Algorithm Architecture	Performance & Result		
Dataset		Accuracy	F1 -Score	Recall
MAPS dataset	Bi-directional LSTM	NA	82.29%	80.67%
MusicNet, MAPS, Saarland Music Data, GiantMIDI- Piano	Bi-RNN (10M) Bi-RNN (12M) Transformer CNN	NA	95.32% 96.72% 96.13% 96.78%	92.61% 95.35% 96.69% 95.07%
	DNN	45%	49%	64%
MAPS Dataset	RNN	54%	49%	66%
	CNN	50%	55%	66%
Dataset not mentioned (Publicly available dataset)	RNN + CNN + MLP	98.50%	90.80%	89.50%
MAPS and	CNN + Transformer +	21.0	64.040/	F.O. 6770/

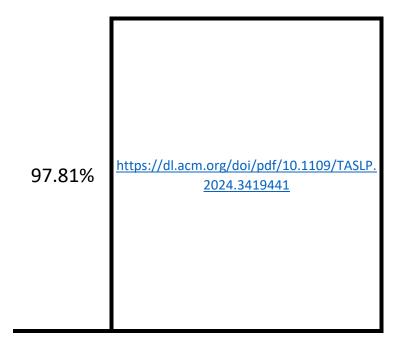
MAESTRO	Dual Channel CQT	INA	b1.91%	58.0/%
	Transformer (OaF)	NA	NA	NA
	Transformer (T5)	NA	NA	NA
MAESTRO	Onset & Offset Regression (Kong)	NA	NA	NA
MAESTRO		NA	97%	96%
MAPS	CR-GCN	NA	84%	85%
MAESTRO v3	HIGH-RESOLUTION TIME REGRESSION SYSTEM (MLNSC)	NA	97.23%	95.84%

ADDITIONAL LITERATURE REVIEW PAPERS

Review on Music Transcription --> https://www.mdpi.com/2076-3417/13/2:

Precision	Link
84.24%	https://arxiv.org/pdf/1710.11153
98.26% 98.17% 96.87%	https://arxiv.org/pdf/2406.15249v1
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