Research Paper	*Research Paper Name*	*Author*
Paper 1 - arXiv:1710.11153v2 [cs.SD] 5 Jun 2018	ONSETS AND FRAMES: DUAL-OBJECTIVE PIANO TRANSCRIPTION	Curtis Hawthorne?† Erich Elsen? Jialin Song?‡ Adam Roberts Ian Simon Colin Raffel Jesse Engel Sageev Oore Douglas Eck Google Brain Team, Mountain View, CA, USA
Paper 2 - arXiv:2406.15249v1 [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:1508.01774v2 [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	Peng Wang1 , Ning Dai2 Cangzhou Normal University, Cangzhou, 061001, China

15 December 2024 DOI https://doi.org/10.21595/jme.2024.24345	transcription model for sound signals	1Corresponding author E-mail: 1wpengpw@hotmail.com, 2dn_ning@hotmail.com
Paper 6 - arXiv:2406.08454v3 [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
Paper 8- IEEE Access Received 27 June 2024, accepted 5 July 2024, date of publication 8 July 2024, date of current version 16 July 2024	Polyphonic Piano Music Transcription System Exploiting Mutual Correlations of Different Musical Note States	TAEHYEON KIM1 , DONGHYEON LEE 1 , MAN-JE KIM 2 , (Member, IEEE), AND CHANG WOOK AHN 1 , (Member, IEEE)

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

Dataset	***Methodology/Algorithm Architecture***	***Performance & Result***		
		Accuracy	***F1 -Score***	***Recall***
MAPS dataset	Bi-directional LSTM	NA	82.29%	80.67%
MAESTRO, 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%
MAPS Dataset	DNN RNN CNN	45% 54% 50%	49% 49% 55%	64% 66% 66%
Dataset not mentioned (Publicly available dataset)	RNN + CNN + MLP	98.50%	90.80%	89.50%
MAPS and	CNN + Transformer +	NA	61.91%	58.67%

MAESTRO	Dual Channel CQT	NA	61.91%	58.67%
MAESTRO	Transformer (OaF)	NA	NA	NA
	Transformer (T5)	NA	NA	NA
	Onset & Offset Regression (Kong)	NA	NA	NA
MAESTRO	CR-GCN	NA	97%	96%
MAPS		NA	84%	85%
MAESTRO v3	HIGH-RESOLUTION TIME REGRESSION SYSTEM (MLNSC)	NA	97.23%	95.84%

MAESTRO	RNN + CNN + CQT	NA	99.05%	96.61%

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% 99%	https://arxiv.org/pdf/2406.15249v1
63% 65% 68%	https://arxiv.org/pdf/1508.01774
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97.81%	https://dl.acm.org/doi/pdf/10.1109/TASLP.2024.3419441

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