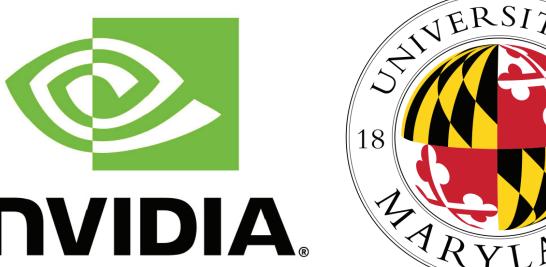


Audio Flamingo: Advancing Audio Intelligence with Open and Powerful Large Audio-Language Models



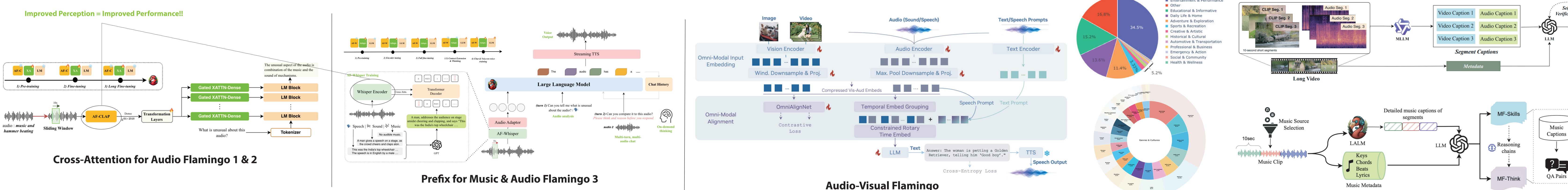
Sreyan Ghosh*, Arushi Goel*, Jaehyeon Kim, Sonal Kumar, Zhifeng Kong, Sang-gil Lee, Chao-Han Huck Yang, Ramani Duraiswami, Dinesh Manocha, Rafael Valle, Bryan Catanzaro **INVIDIA**

The Audio Flamingo Series

Data is All You Need!

We present AudioSkills (XL) with 10M+ AQAs across 12+ skills.





Audio Analysis + Think + Voice Chat (streaming)



Voice Output

sounds of a ball being hit and bounced, along with the sound of shoes squeaking on a hard surface. These sounds are characteristic of a sport played on a hard court with a racket or shuttlecock. Tennis and badminton are both such sports. The presence of a ball being hit and bounced suggests a sport where a racket is usedto hit a ball, which is more indicative of tennis than badminton. Therefore, the most

What sport is being played in the audio?

AF3 Response in Thinking Mode: The audio contains

likely sport is tennis.

Multi-turn Multi-Audio Chat



What elements of the track make it feel so calming and meditative?

e: The calming effect comes from several factors: the gentle acoustic instrumentation, the slow and steady tempo, and the soft, expressive vocal delivery.



If I wanted to remix the calming folk piece into something closer to this, what would you suggest?

AF3 Response: To transform the folk track into a more energetic, synth -driven style, start by increasing the tempo and introducing electronic drums with a punchy, danceable groove.

ABBA: Money Money (English) - 162M views Audio Flamingo 3: This track is a lively pop song with a tempo of 120 BPM, set in A minor, featuring a classic 4/4 time signature. The arrangement includes a blend of piano, guitar, and drums, creating a vibrant and upbeat atmosphere....with a focus on the vocal performance. The song conveys a sense of joy and optimism.... **Owen3-Omni:** Style: This is a classic example of 1970s Euro disco or Italo disco....Rhythm: The rhythm is a steady, driving 4/4 beat at approximately 120 BPM....Dynamics: The repeated phrases "Ain't it sad?" and "That's too bad" serve as a refrain...The music expresses a mix of frustration, longing and theatrical despair....Instruments: include synth, drums, bass and electric guitar... Music Flamingo: This track is an upbeat Di es with modern pop polish and a bright funk sensibilit It moves at a steady 120 BPM and is rooted in A minor, giving the song a slightly wistful tonal center that is brightened by frequent major-chord lifts. Instrumentation and production: The arrangement is built around a punchy acous drum kit that drives the four-on-the-floor feel, a syncopated electric bass that lock tightly with the drums, and crisp, rhythmic electric guitars that add percussive funl chops. A full brass section—trumpets, trombones.. Vocal characteristics: The lead is a m slightly nasal timbre that conveys confidence and a touch of sassy attitude... Repetitive hooks such as "Money, money, money, must be fur

the rich man's world"...[Verse1]: I work all night, I work all day to pay the bills

have to pay, ain't it sad?...[Chorus]: Money, money, money, must be funny...

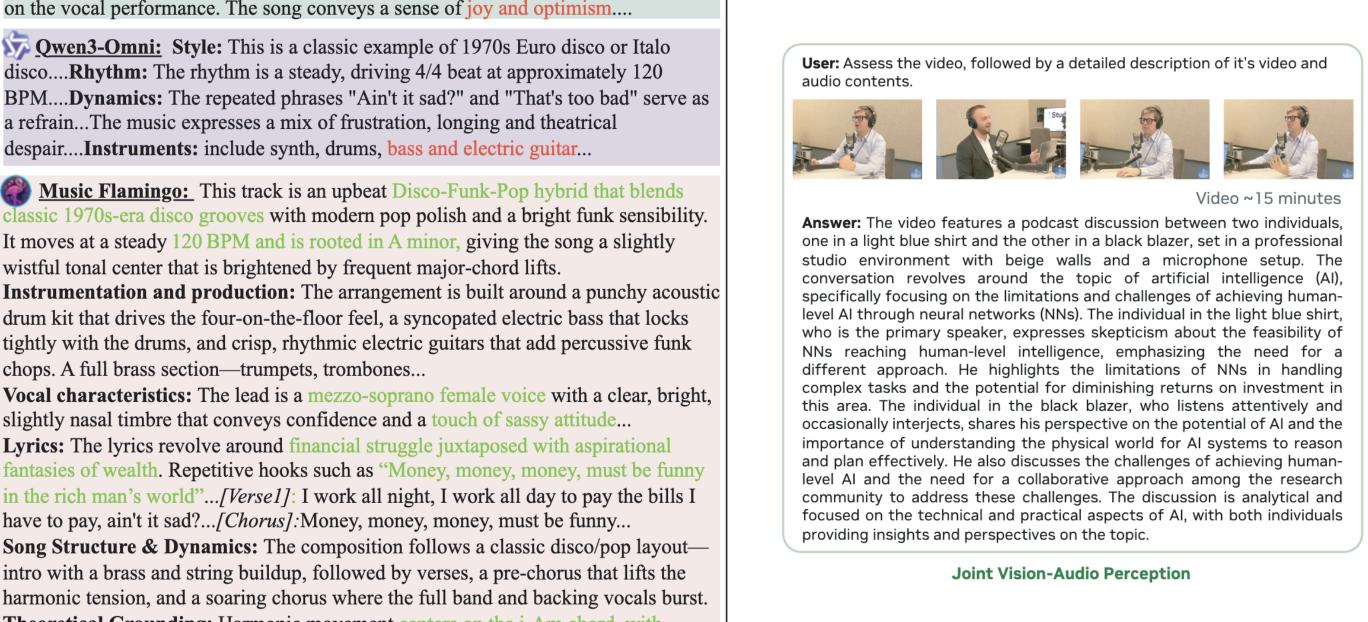
Song Structure & Dynamics: The composition follows a classic disco/pop layout intro with a brass and string buildup, followed by verses, a pre-chorus that lifts the

Theoretical Grounding: Harmonic movement centers on the i-Am chord, with

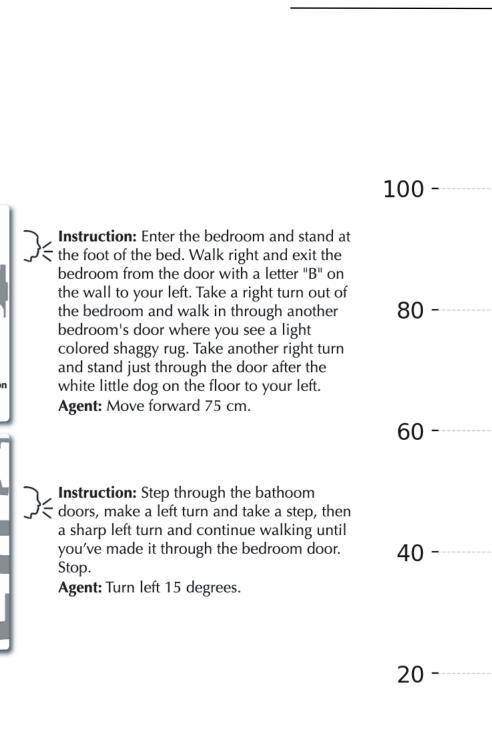
Overall mood & context: Despite its lyrical focus on economic hardship, the track

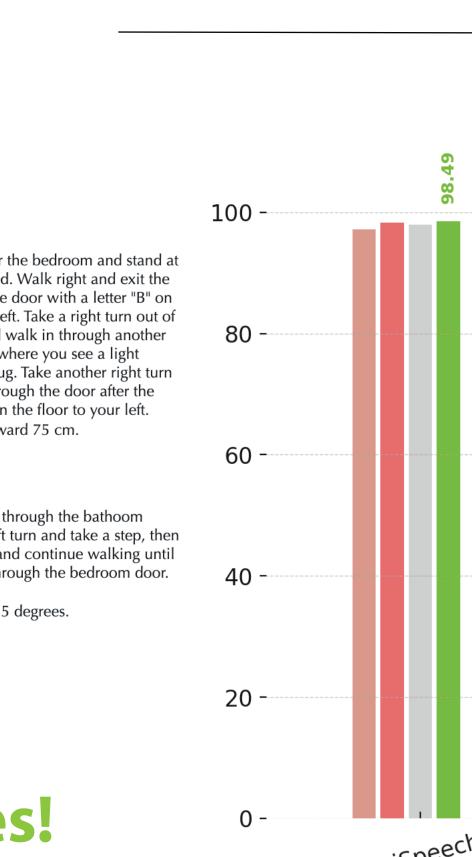
diates an uplifting, dance-floor optimism characteristic of disco-era anthems...

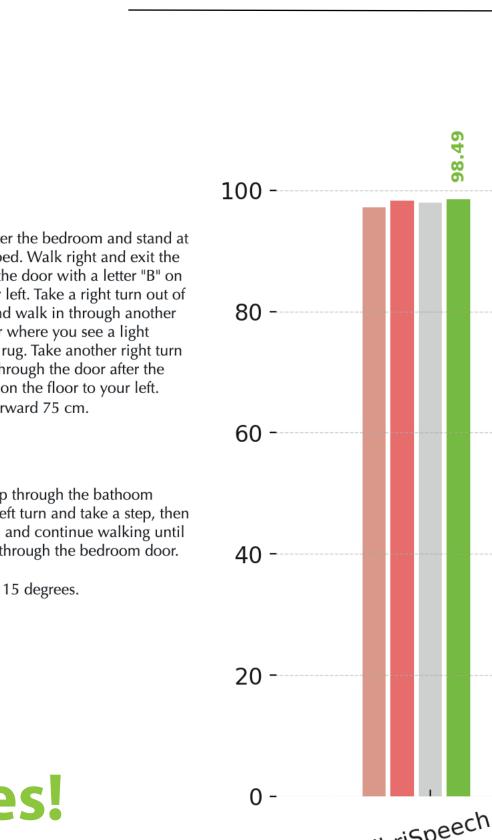
rds that inject a major-key brightness.

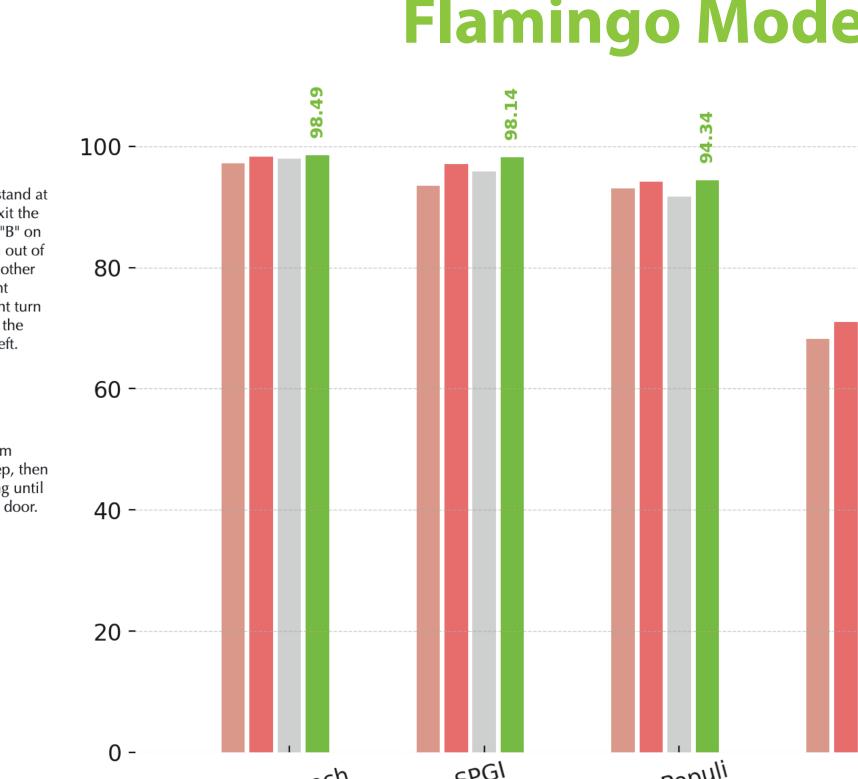


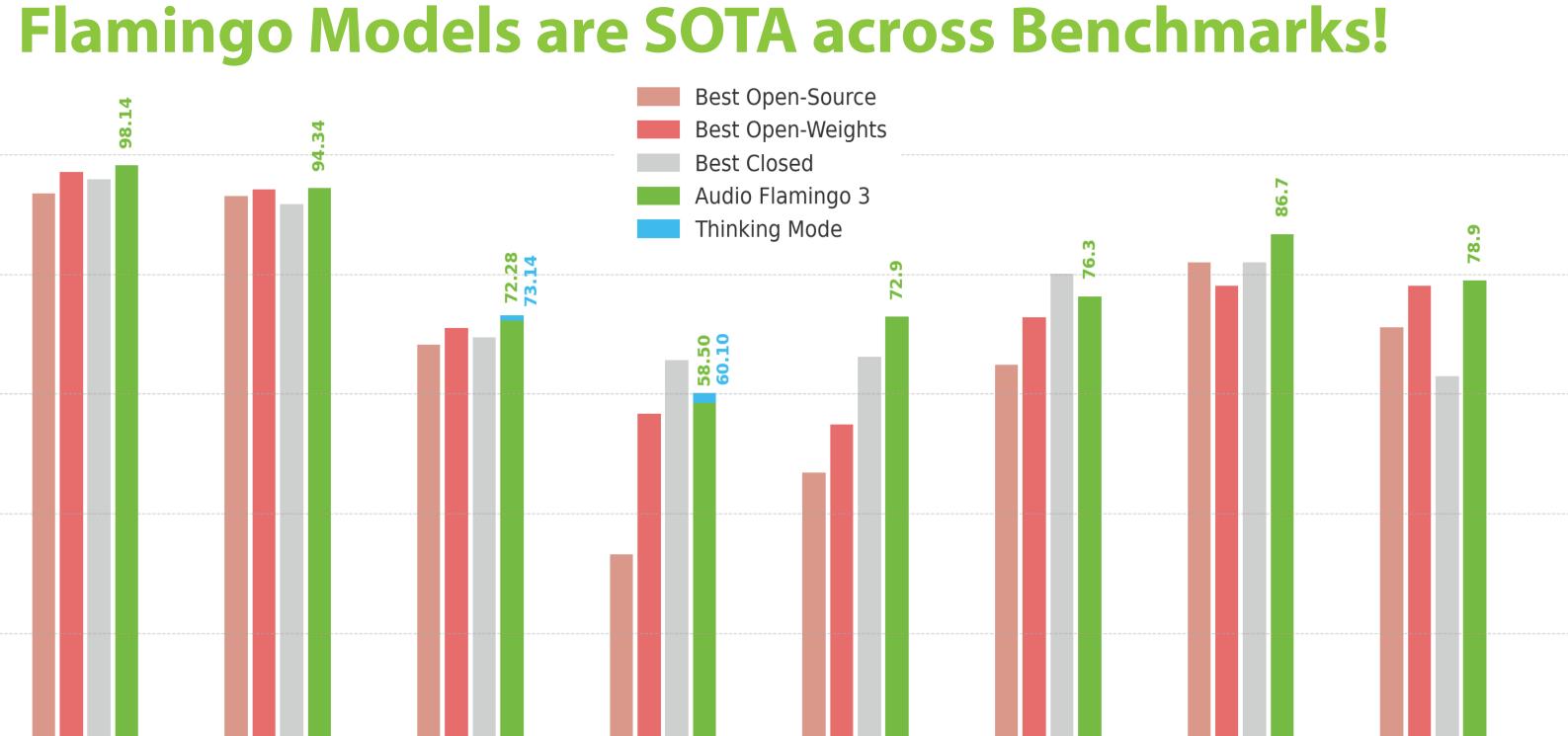












A Snapshot of MF and AVF capabilities! VoxPopuli (en) MMAU (Reasoning) MMAR (Reasoning) LongAudioBench (Long Audio) OpenAudioBench (Voice-2-Text) (Hallucination) Nsynth Inst. (unan.)