Podcast Similarity Results

Question 1 Query:

```sql
SELECT
    p.title,
    ps.id,
    ps.content,
    ps.start_time,
    ps.end_time,
    ps.embedding <-> (SELECT embedding FROM podcast_segment WHERE id =
'267:476' LIMIT 1) AS distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE ps.id != '267:476'
ORDER BY distance ASC
LIMIT 5;
```

Question 1 Results:

Input: that if we were to meet alien life at some point

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
Ryan Graves: UFOs, Fighter Jets, and Aliens	Lex Fridman Podcast #308	113:2792	encounters, human beings, if we were to meet another alien	6725.62	6729.86	0.648345
Richard Dawkins: Evolution, Intelligence, Simulation, and Memes	Lex Fridman Podcast #87	268:1019	Suppose we did meet an alien from outer space	2900.04	2903.08	0.655811
Jeffrey Shainline: Neuromorphic Computing and Optoelectronic Intelligence	Lex Fridman Podcast #225	305:3600	but if we think of alien civilizations out there	9479.96	9484.04	0.659543
Michio Kaku: Future of Humans, Aliens, Space Travel & Physics	Lex Fridman Podcast #45	18:464	So I think when we meet alien life from outer space,	1316.86	1319.58	0.666203

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
Alien Debate: Sara Walker and Lee Cronin | Lex Fridman Podcast #279	71:989	because if aliens come to us	2342.34	2343.62	0.674294
Alien Debate: Sara Walker and Lee Cronin | Lex Fridman Podcast #279	71:989	because if aliens come to us	2342.34	2343.62	0.674294

Question 2 Query:

```sql
SELECT
    p.title,
    ps.id,
    ps.content,
    ps.start_time,
    ps.end_time,
    ps.embedding <-> (SELECT embedding FROM podcast_segment WHERE id =
'267:476' LIMIT 1) AS distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE ps.id != '267:476'
ORDER BY distance DESC
LIMIT 5;
```

Question 2 Results:

Input: that if we were to meet alien life at some point

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
Jason Calacanis: Startups, Angel Investing, Capitalism, and Friendship | Lex Fridman Podcast #161	119:218	a 73 Mustang Grande in gold?	519.96	523.8	1.61577
Rana el Kaliouby: Emotion AI, Social Robots, and Self-Driving Cars | Lex Fridman Podcast #322	133:2006	for 94 car models.	5818.62	5820.82	1.58634
Travis Stevens: Judo, Olympics, and Mental Toughness | Lex Fridman Podcast #223	283:1488	when I called down to get the sauna.	3709.34	3711.1	1.57255
Jeremy Howard: fast.ai Deep Learning Courses and Research | Lex Fridman Podcast #35	241:1436	which has all the courses pre-installed.	4068.9	4071.14	1.56633
Joscha Bach: Nature of Reality, Dreams, and Consciousness | Lex Fridman Podcast #212	307:3933	and very few are first class and some are budget.	10648.6	10651	1.56163

Question 3 Query:

```sql
SELECT
    p.title,
    ps.id,
    ps.content,
    ps.start_time,
    ps.end_time,
    ps.embedding <-> (SELECT embedding FROM podcast_segment WHERE id = '48:511'
LIMIT 1) AS distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE ps.id != '48:511'
ORDER BY distance ASC
LIMIT 5;
```

Question 3 Results:

Input: Is it is there something especially interesting and profound to you in terms of our current deep learning neural network, artificial neural network approaches and the whatever we do understand about the biological neural network.

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
Andrew Huberman: Neuroscience of Optimal Performance | Lex Fridman Podcast #139	155:648	Is there something interesting to you or fundamental to you about the circuitry of the brain	3798.48	3805.84	0.6523
Cal Newport: Deep Work, Focus, Productivity, Email, and Social Media | Lex Fridman Podcast #166	61:3707	of what we might discover about neural networks?	8498.02	8500.1	0.712105

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
Matt Botvinick: Neuroscience, Psychology, and AI at DeepMind | Lex Fridman Podcast #106	48:512	And our brain is there. There's some there's quite a few differences. Are some of them to you either interesting or perhaps profound in terms of in terms of the gap we might want to try to close in trying to create a human level intelligence.	1846.84	1865.84	0.71956
Yann LeCun: Dark Matter of Intelligence and Self-Supervised Learning | Lex Fridman Podcast #258	276:2642	Have these, I mean, small pockets of beautiful complexity. Does that, do cellular automata, do these kinds of emergence and complex systems give you some intuition or guide your understanding of machine learning systems and neural networks and so on?	8628.16	8646.16	0.735722
Stephen Wolfram: Fundamental Theory of Physics, Life, and the Universe | Lex Fridman Podcast #124	2:152	So is there something like that with physics where so deep learning neural networks have been around for a long time?	610.86	618.86	0.736697

Question 4 Query:

```sql
SELECT
    p.title,
    ps.id,
    ps.content,
    ps.start_time,
    ps.end_time,
    ps.embedding <-> (SELECT embedding FROM podcast_segment WHERE id = '51:56'
LIMIT 1) AS distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE ps.id != '51:56'
ORDER BY distance ASC
LIMIT 5;
```

Question 4 Results:

Input: But what about like the fundamental physics of dark energy? Is there any understanding of what the heck it is?

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
George Hotz: Hacking the Simulation & Learning to Drive with Neural Nets | Lex Fridman Podcast #132	308:144	I mean, we don't understand dark energy, right?	500.44	502.6	0.668197
Lex Fridman: Ask Me Anything - AMA January 2021 | Lex Fridman Podcast	243:273	Like, what's up with this dark matter and dark energy stuff?	946.22	950.12	0.735551
Katherine de Kleer: Planets, Moons, Asteroids & Life in Our Solar System | Lex Fridman Podcast #184	196:685	being like, what the hell is dark matter and dark energy?	2591.72	2595.96	0.763114
Alex Filippenko: Supernovae, Dark Energy, Aliens & the Expanding Universe | Lex Fridman Podcast #137	51:36	Do we have any understanding of what the heck that thing is?	216	219	0.792202

Podcast Title	Segment ID	Content	Start Time	End Time	Distance
Leonard Susskind: Quantum Mechanics, String Theory and Black Holes | Lex Fridman Podcast #41	122:831	That is a big question in physics right now.	2374.9	2377.62	0.80227
Leonard Susskind: Quantum Mechanics, String Theory and Black Holes | Lex Fridman Podcast #41	122:831	That is a big question in physics right now.			

Question 5a Query:

```sql
SELECT
    p.title,
    AVG(ps.embedding) <->
    (SELECT embedding FROM podcast_segment WHERE id = '267:476' LIMIT 1) AS
distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE p.id != (SELECT podcast_id FROM podcast_segment WHERE id = '267:476'
LIMIT 1)
GROUP BY p.id, p.title
ORDER BY distance ASC
LIMIT 5;
```

Question 5a Results:

Input: that if we were to meet alien life at some point

Podcast Title	Average Distance
Sara Walker: The Origin of Life on Earth and Alien Worlds | Lex Fridman Podcast #198	0.782898
Martin Rees: Black Holes, Alien Life, Dark Matter, and the Big Bang | Lex Fridman Podcast #305	0.78795
Max Tegmark: Life 3.0 | Lex Fridman Podcast #1	0.78869
Sean Carroll: The Nature of the Universe, Life, and Intelligence | Lex Fridman Podcast #26	0.789065
Nick Bostrom: Simulation and Superintelligence | Lex Fridman Podcast #83	0.791121

Question 5b Query:

```sql
SELECT
    p.title,
    AVG(ps.embedding) <->
    (SELECT embedding FROM podcast_segment WHERE id = '48:511' LIMIT 1) AS
distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE p.id != (SELECT podcast_id FROM podcast_segment WHERE id = '48:511' LIMIT
1)
GROUP BY p.id, p.title
ORDER BY distance ASC
LIMIT 5;
```

Question 5b Results:

Input: Is it is there something especially interesting and profound to you in terms of our current deep learning neural network, artificial neural network approaches and the whatever we do understand about the biological neural network.

Podcast Title	Average Distance
Christof Koch: Consciousness | Lex Fridman Podcast #2	0.75378
Dileep George: Brain-Inspired AI | Lex Fridman Podcast #115	0.760515
Tomaso Poggio: Brains, Minds, and Machines | Lex Fridman Podcast #13	0.761555
Elon Musk: Neuralink, AI, Autopilot, and the Pale Blue Dot | Lex Fridman Podcast #49	0.776152
Philip Goff: Consciousness, Panpsychism, and the Philosophy of Mind | Lex Fridman Podcast #261	0.787206

Question 5c Query:

```sql
SELECT
    p.title,
    AVG(ps.embedding) <->
    (SELECT embedding FROM podcast_segment WHERE id = '51:56' LIMIT 1) AS
distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE p.id != (SELECT podcast_id FROM podcast_segment WHERE id = '51:56' LIMIT
1)
GROUP BY p.id, p.title
ORDER BY distance ASC
LIMIT 5;
```

Question 5c Results:

Input: But what about like the fundamental physics of dark energy? Is there any understanding of what the heck it is?

Podcast Title	Average Distance
Sean Carroll: Quantum Mechanics and the Many-Worlds Interpretation | Lex Fridman Podcast #47	0.776714
Stephen Wolfram: Fundamental Theory of Physics, Life, and the Universe | Lex Fridman Podcast #124	0.808071
Donald Hoffman: Reality is an Illusion - How Evolution Hid the Truth | Lex Fridman Podcast #293	0.816583
Cumrun Vafa: String Theory | Lex Fridman Podcast #204	0.817347
Avi Loeb: Aliens, Black Holes, and the Mystery of the Oumuamua | Lex Fridman Podcast #154	0.825452

Question 6 Query:

```sql
SELECT
    p.title,
    AVG(ps.embedding) <-> (
        SELECT AVG(embedding)
        FROM podcast_segment
        WHERE podcast_id = 'VeH7qKZr0WI'
        LIMIT 1
    ) AS distance
FROM podcast_segment ps
JOIN podcast p ON ps.podcast_id = p.id
WHERE p.id != 'VeH7qKZr0WI'
GROUP BY p.id, p.title
ORDER BY distance ASC
LIMIT 5;
```

Question 6 Results:

Input: Balaji Srinivasan: How to Fix Government, Twitter, Science, and the FDA | Lex Fridman Podcast #331

Podcast Title	Average Distance
Tyler Cowen: Economic Growth & the Fight Against Conformity & Mediocrity	Lex Fridman Podcast #174	0.119501
Eric Weinstein: Difficult Conversations, Freedom of Speech, and Physics	Lex Fridman Podcast #163	0.125714
Michael Malice and Yaron Brook: Ayn Rand, Human Nature, and Anarchy	Lex Fridman Podcast #178	0.128427
Steve Keen: Marxism, Capitalism, and Economics	Lex Fridman Podcast #303	0.129163
Michael Malice: The White Pill, Freedom, Hope, and Happiness Amidst Chaos	Lex Fridman Podcast #150	0.130409