

# **AI and Creativity**

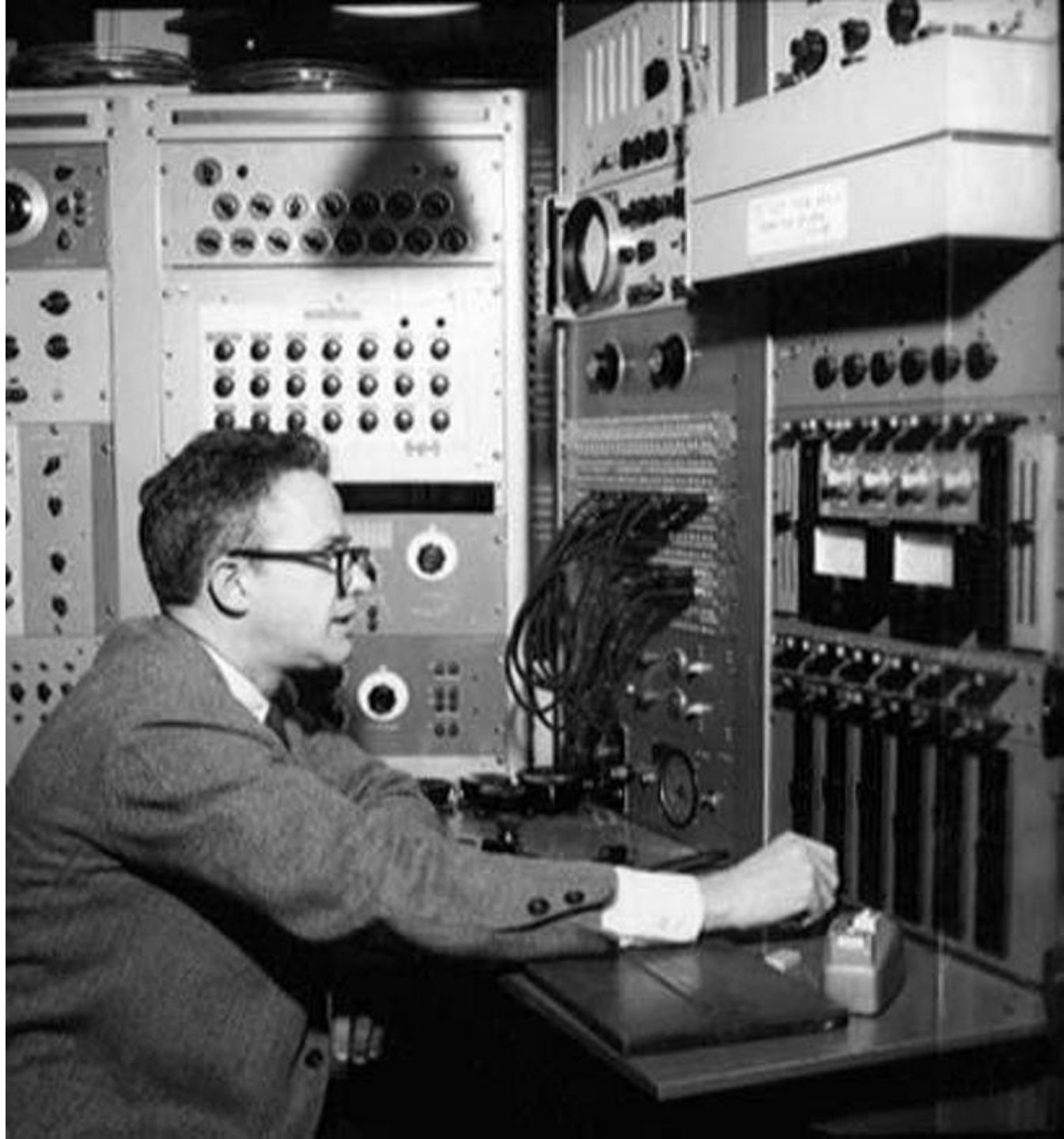
**Ariana Elahi, Diomedes Nifasha,  
Alyssa Rodrigues, Yusuf Sharif,  
Maryam Younis**

# RadioLab – Musical DNA

In 1981, composer David Cope built a program called EMI to generate music in the style of Bach.

Was what EMI generated really music?

Was its creation a creative endeavor?



# Facing the Music: Perspectives on Machine-Composed Music

**David Cope**  
Experiments in Musical Intelligence  
1999

## 1. EMI analyzes score

Converts notes to data and maps a composer's 'signatures'

## 2. Recombines the DNA

Generates music in that signatures style

## 3. Challenges listeners

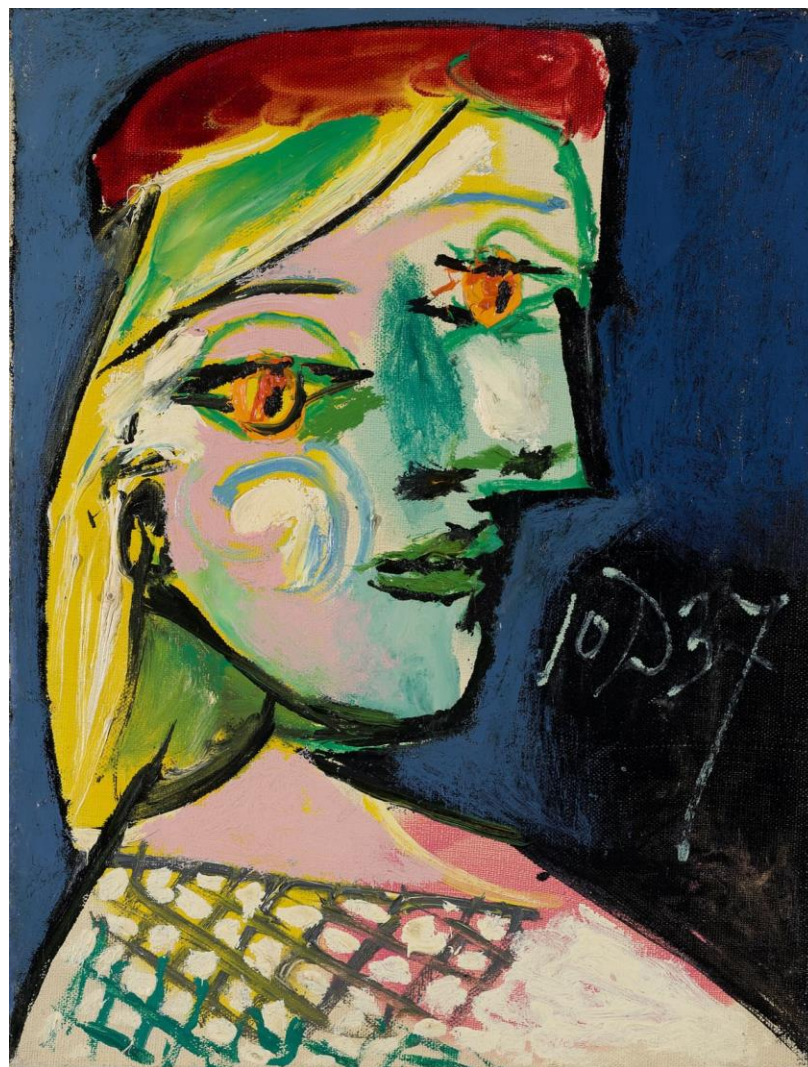
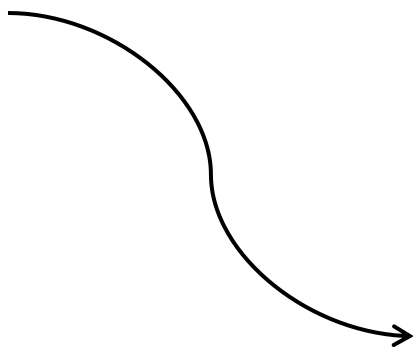
If a computer moves you, what does that say about music.. or about us?

**The soul I hear, if indeed I hear one,  
is my own. - David Cope**



# Why A.I. Isn't Going to Make Art

**“Art is notoriously hard to define, and so are the differences between good art and bad art.”**



**“What you create doesn't have to be utterly unlike every prior piece of art in human history to be valuable; the fact that you're the one who is saying it, the fact that it derives from your unique life experience and arrives at a particular moment in the life of whoever is seeing your work, is what makes it new.”**

**Can you tell the  
difference  
between Human  
made and AI  
generated  
music?**

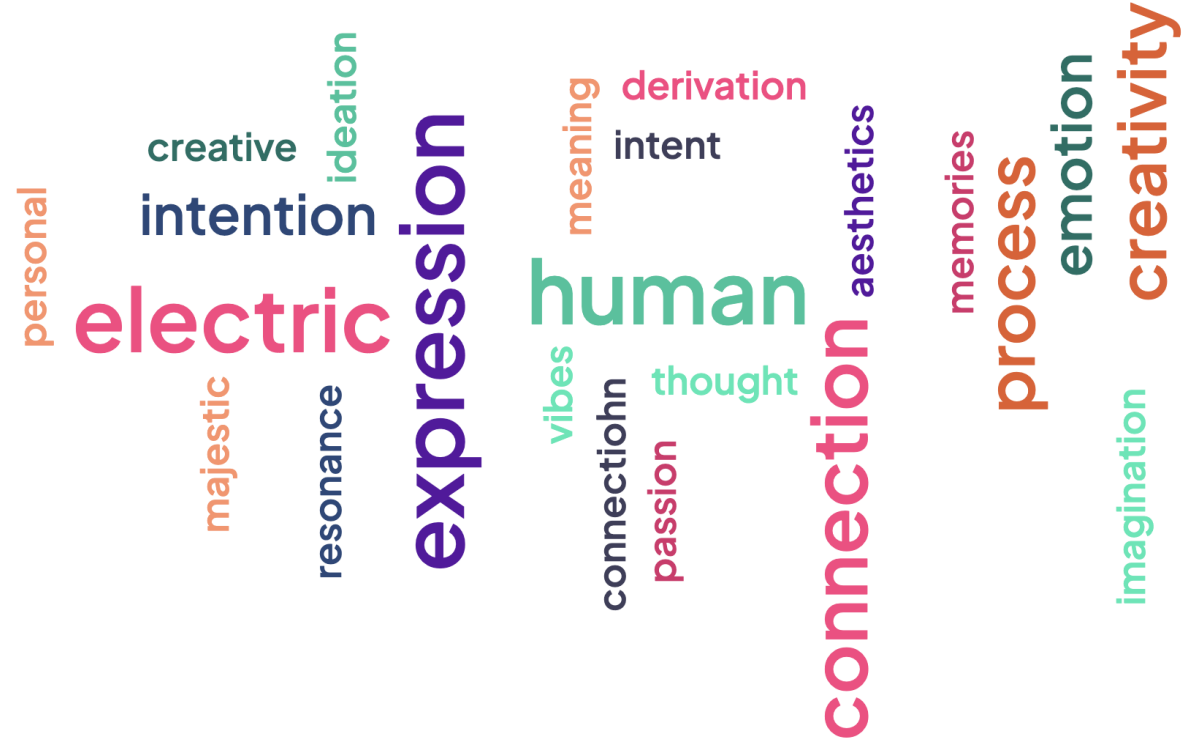
**Kahoot!**

Link: <https://create.kahoot.it/auth/login>

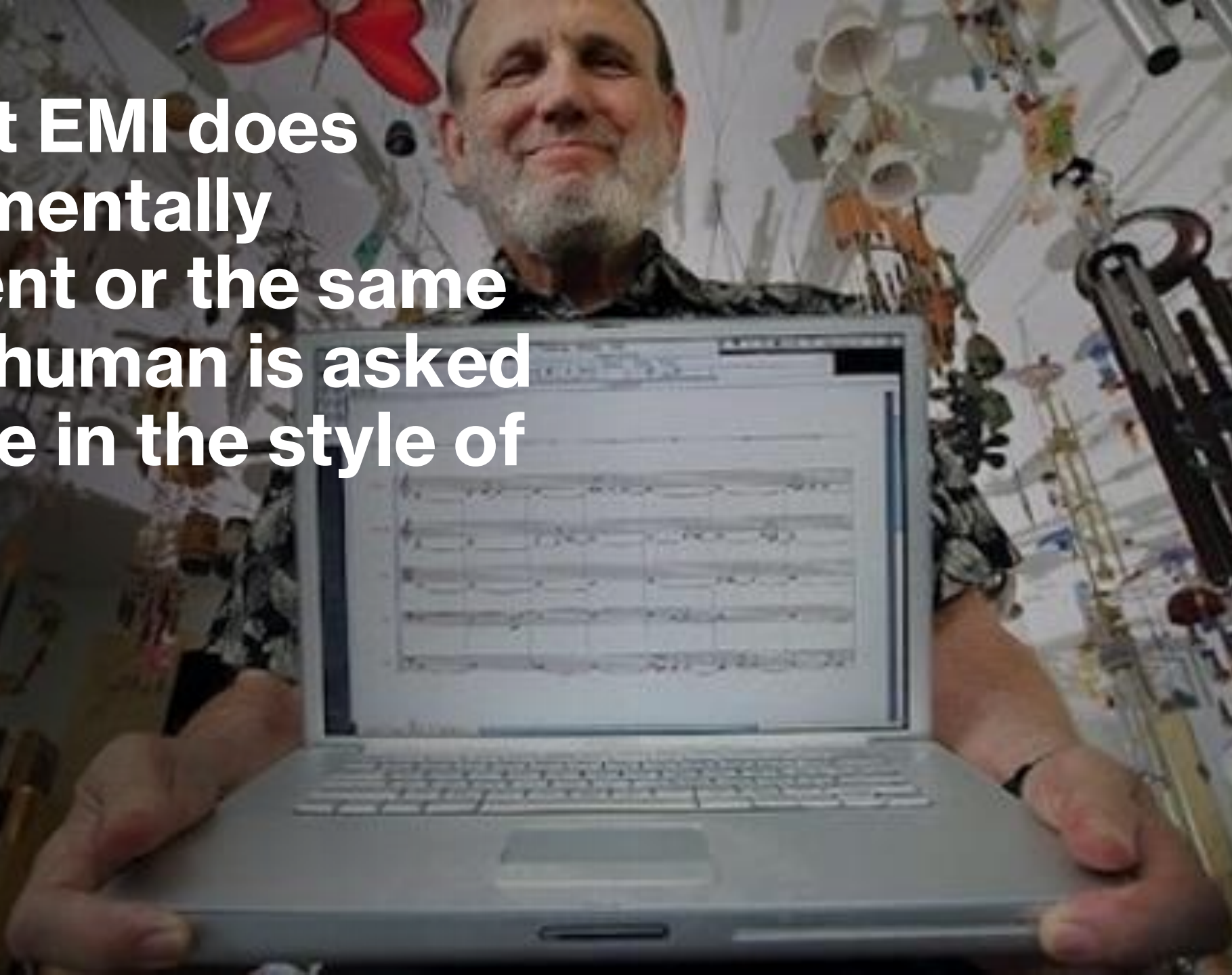
# How is art defined?

<https://ahaslides.com/PDR1E>

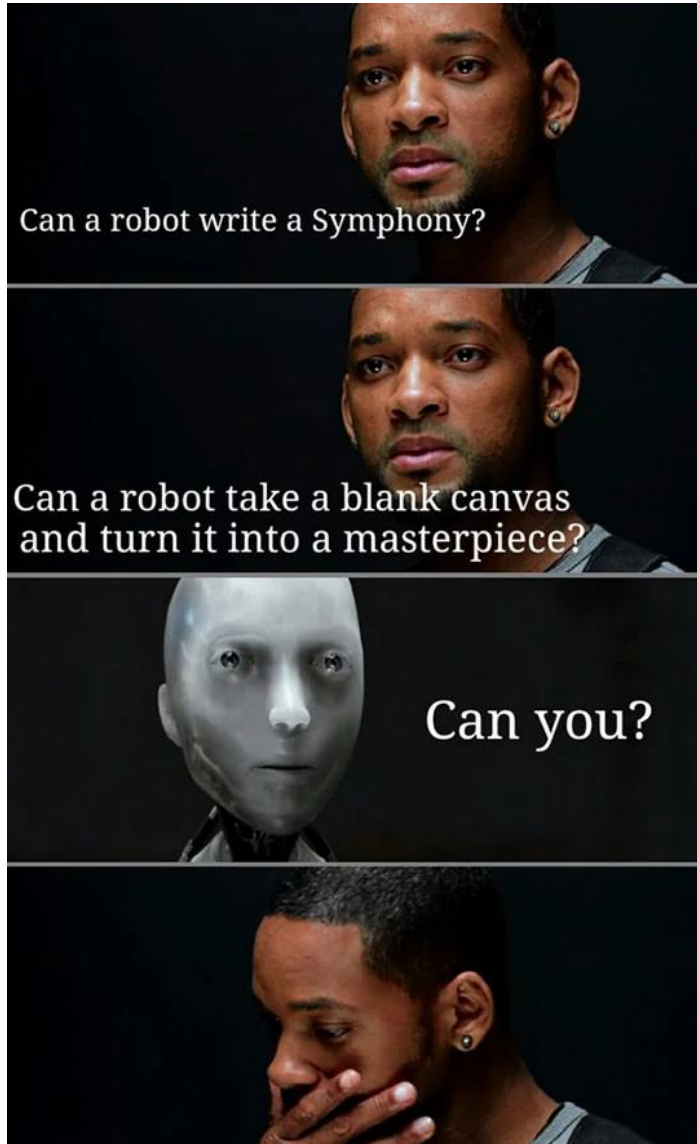
This is the in-class word cloud generated by table teams:



**Is what EMI does  
fundamentally  
different or the same  
as if a human is asked  
to write in the style of  
Bach?**



# What makes the human experience of making art different than AI?





**Diego Koi–  
Hyperrealism artist**

**ART or SKILL?**

# References

- Musical DNA (RadioLab, 19 August 2010).
- David Cope, Facing the Music: Perspectives on Machine-Composed Music. Leonardo Music Journal, 1999.
- Ted Chiang, Why A.I. Isn't Going To Make Art, The New Yorker, 31 August 2024.
- Is it AI? Kahoot YouTube video, <https://www.youtube.com/watch?v=RDOJJrOJ0Zs>