Vyhledávání informací

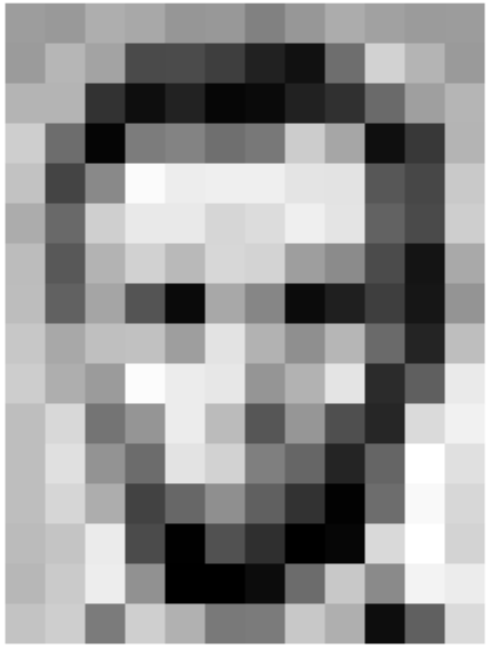
Image Retrieval (ImR) – *dokončení*

Vyhledávání AV dokumentů

26. 11. 2021

Automatická indexace obsahu

- automatické rozpoznání obsahu
- jak naučit počítač rozpoznat, co je na obrázku?
- počítačové vidění



157	153	174	168	150	152	129	151	172	161	155	156
155	182	163	74	75	62	33	17	110	210	180	154
180	180	50	14	34	6	10	33	48	106	159	181
206	109	5	124	131	111	120	204	166	15	56	180
194	68	137	251	237	239	239	228	227	87	71	201
172	105	207	233	233	214	220	239	228	98	74	206
188	88	179	209	185	215	211	158	139	75	20	169
189	97	165	84	10	168	134	11	31	62	22	148
199	168	191	193	158	227	178	143	182	106	36	190
205	174	155	252	236	231	149	178	228	43	95	234
190	216	116	149	236	187	86	150	79	38	218	241
190	224	147	108	227	210	127	102	36	101	255	224
190	214	173	66	103	143	96	50	2	109	249	215
187	196	235	75	1	81	47	0	6	217	255	211
183	202	237	145	0	0	12	108	200	138	243	236
195	206	123	207	177	121	123	200	175	13	96	218

157	153	174	168	150	152	129	151	172	161	155	156
155	182	163	74	75	62	33	17	110	210	180	154
180	180	50	14	34	6	10	33	48	106	159	181
206	109	5	124	131	111	120	204	166	15	56	180
194	68	137	251	237	239	239	228	227	87	71	201
172	105	207	233	233	214	220	239	228	98	74	206
188	88	179	209	185	215	211	158	139	75	20	169
189	97	165	84	10	168	134	11	31	62	22	148
199	168	191	193	158	227	178	143	182	106	36	190
205	174	155	252	236	231	149	178	228	43	95	234
190	216	116	149	236	187	86	150	79	38	218	241
190	224	147	108	227	210	127	102	36	101	255	224
190	214	173	66	103	143	96	50	2	109	249	215
187	196	235	75	1	81	47	0	6	217	255	211
183	202	237	145	0	0	12	108	200	138	243	236
195	206	123	207	177	121	123	200	175	13	96	218

man in black shirt is playing guitar.

construction worker in orange safety vest is working on road.

two young girls are playing with lego toy.

boy is doing backflip on wakeboard.

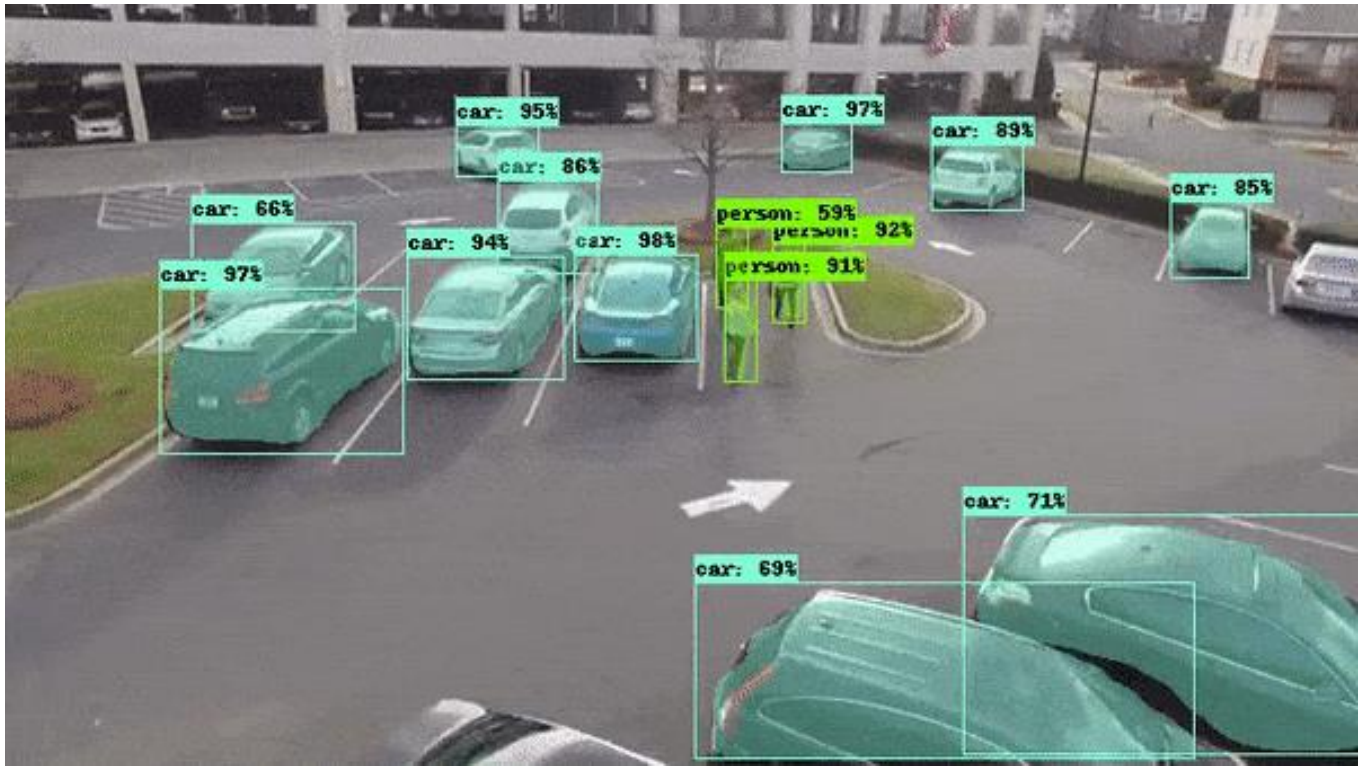
https://cs.stanford.edu/people/karpathy/deepimagesent/

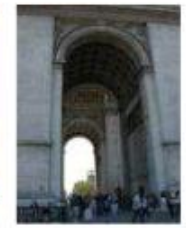
"a young boy is holding a baseball bat."

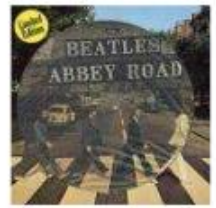
"a cat is sitting on a couch with a remote control."

Rozpoznávání obrazu

- konvoluční neuronové sítě
- *vstup* – obraz
- *výstup* – třída, s určitou pravděpodobností
- všude, od taggování na FB po autonomní auta
- *supervised learning*
- *unsupervised learning*






BEATLES
ABBEY ROAD

Coca-Cola
有激情
有梦想
可口可乐

Coca-Cola

Coca-Cola

Coca-Cola

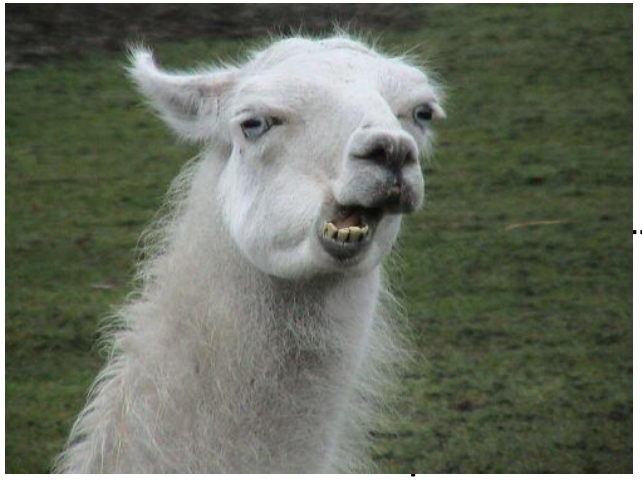
Coca-Cola

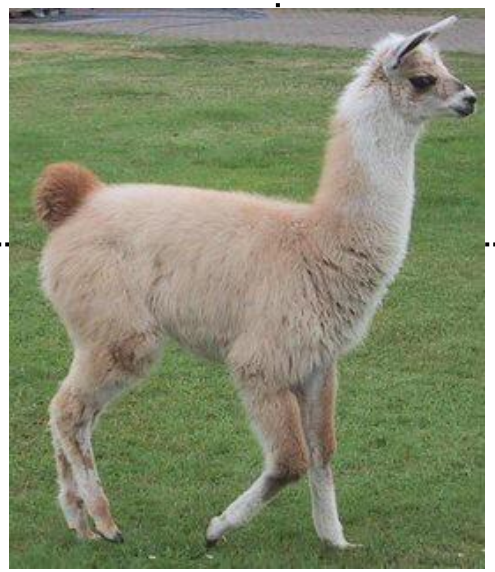
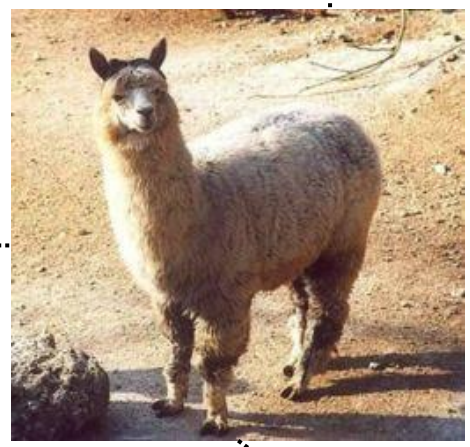
SEILBAHN

SEILBAHN

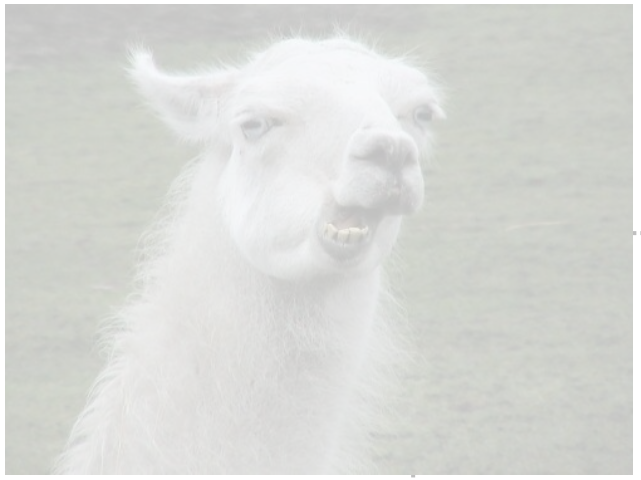
SEILBAHN

SEILBAHN

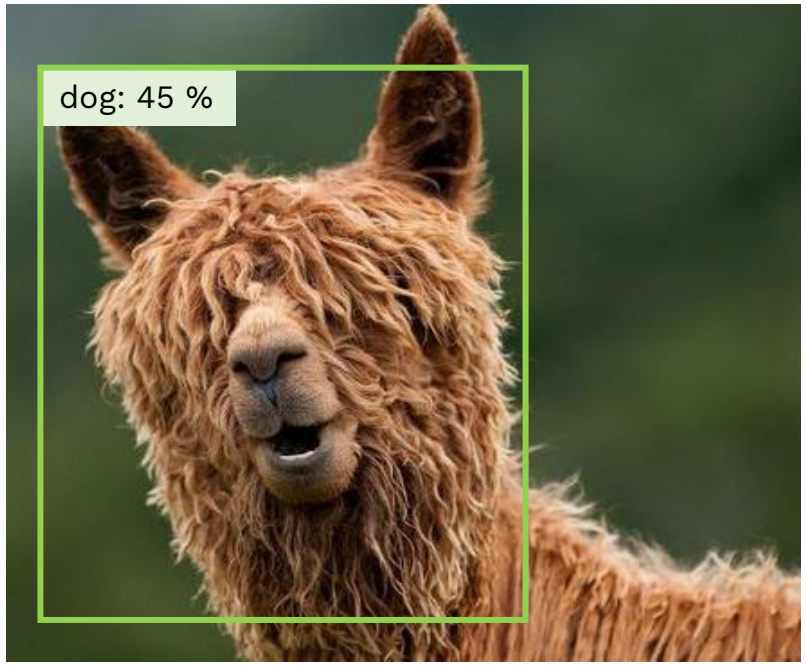


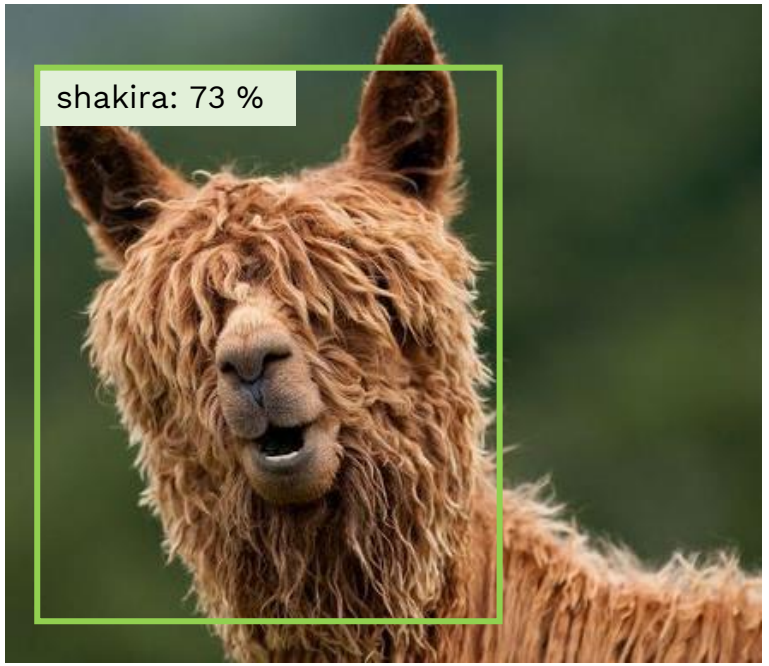



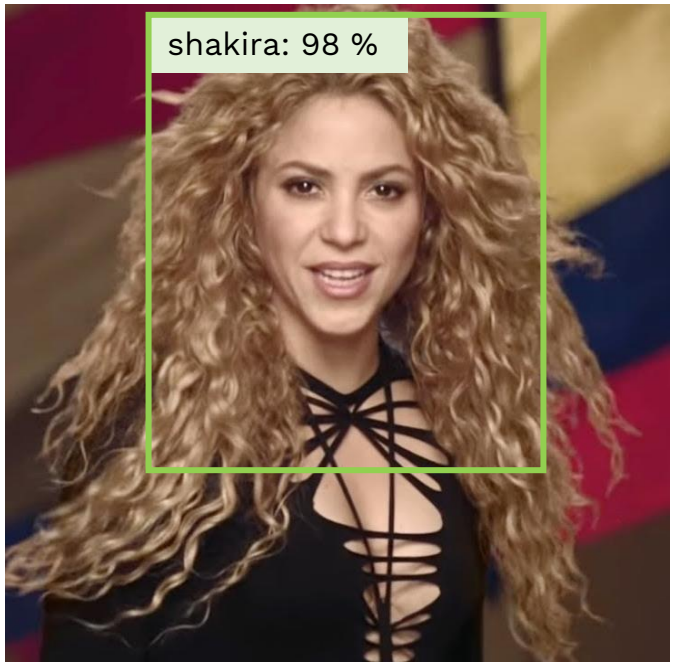
všechno je **lama**

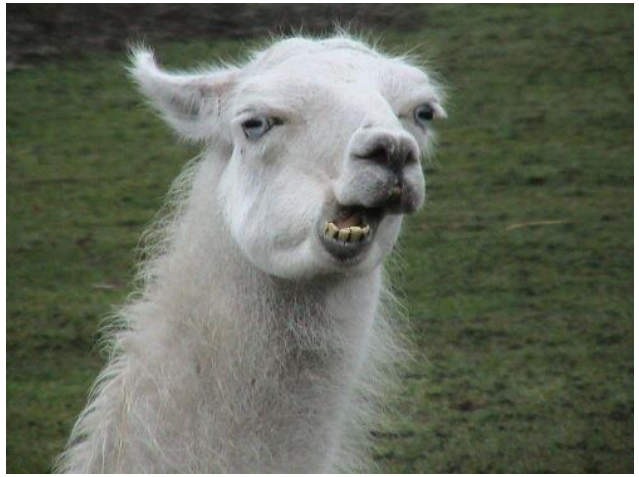


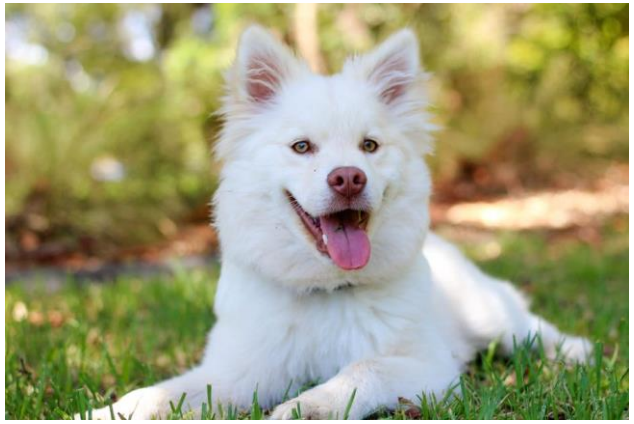
co je tohle?


dog: 45 %


shakira: 73 %

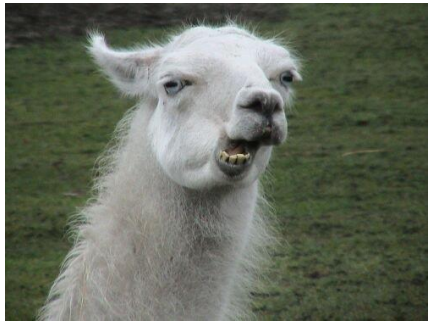

shakira: 98 %



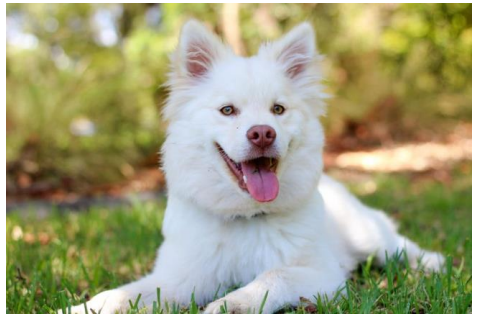


na, tady máš **obrázky**...

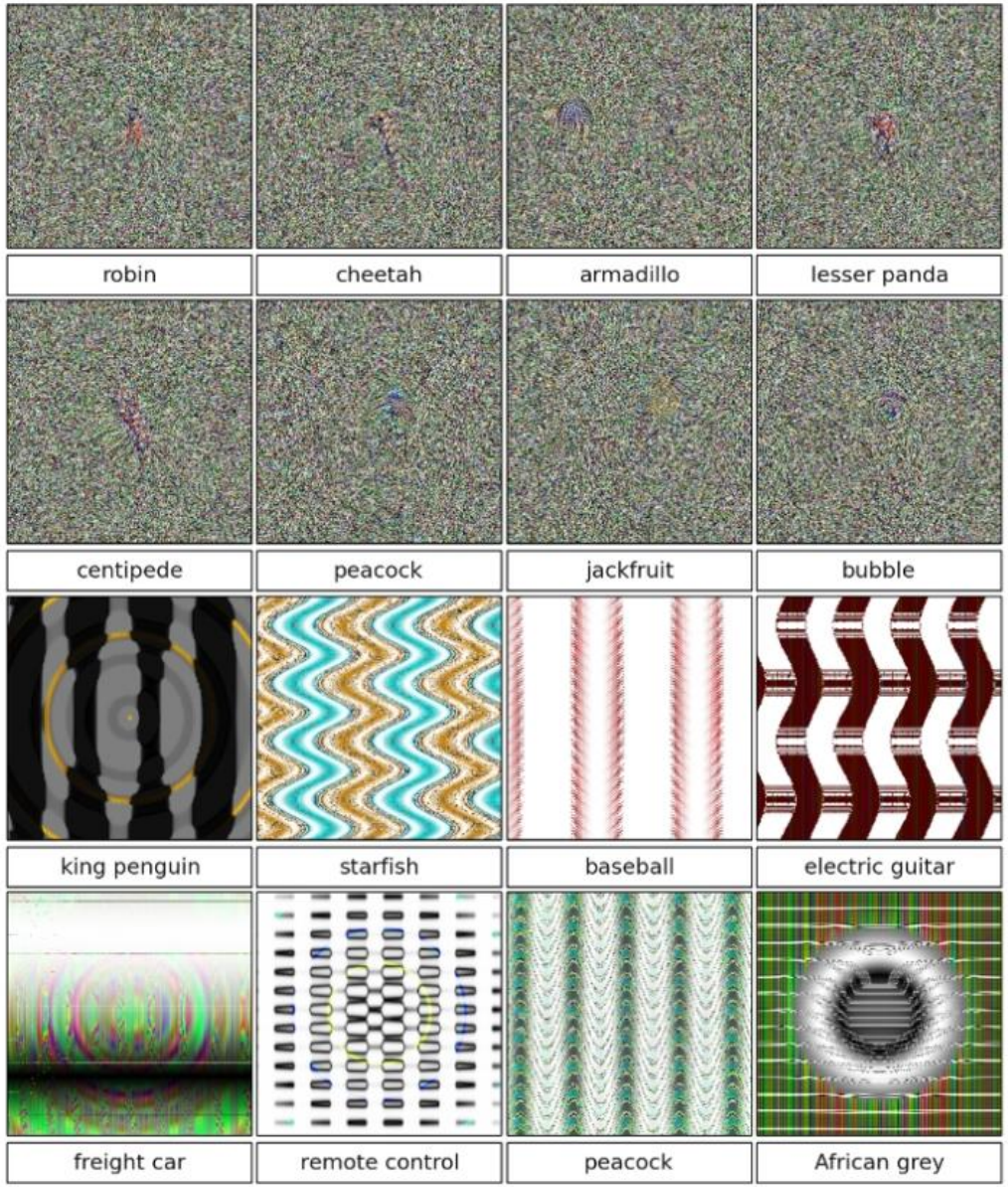
group_A

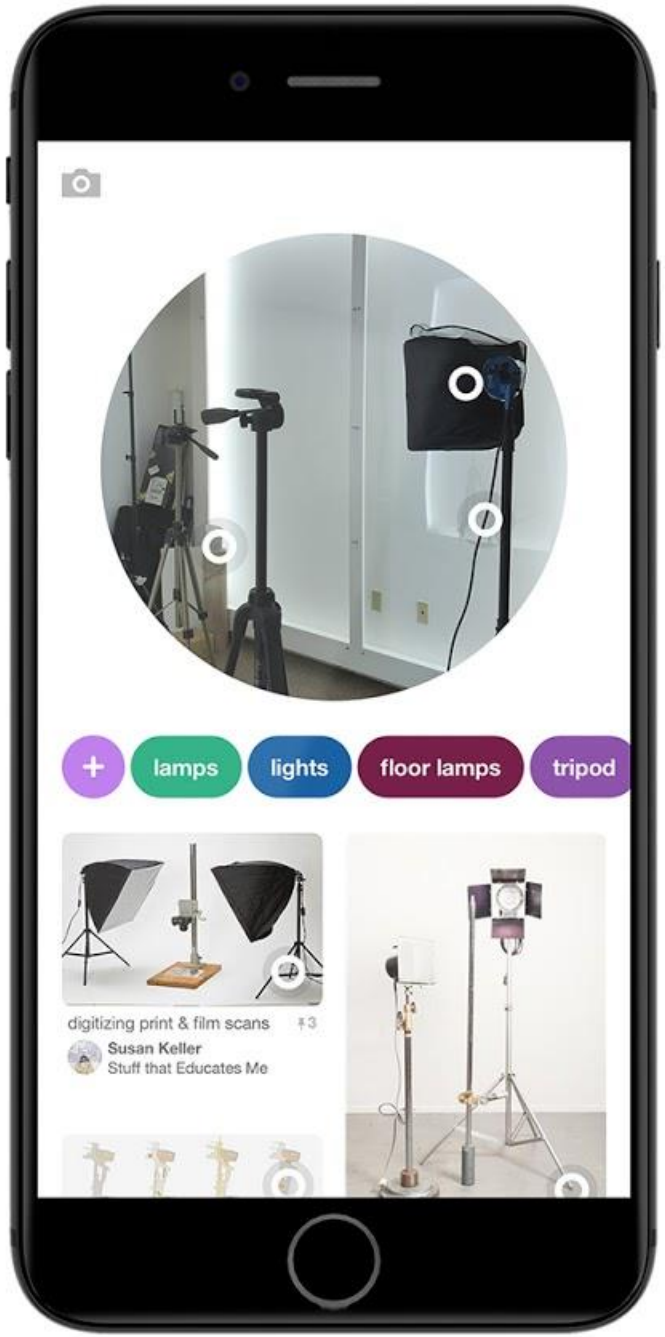


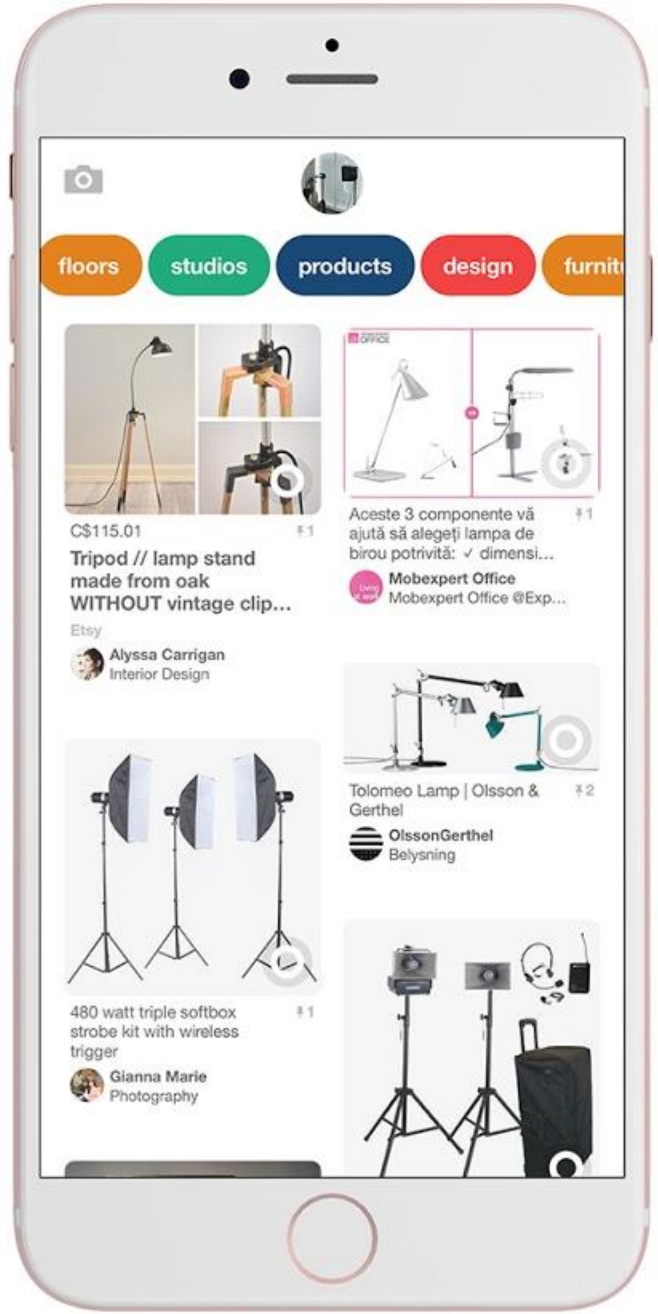
group_B



https://arxiv.org/pdf/1412.1897.pdf



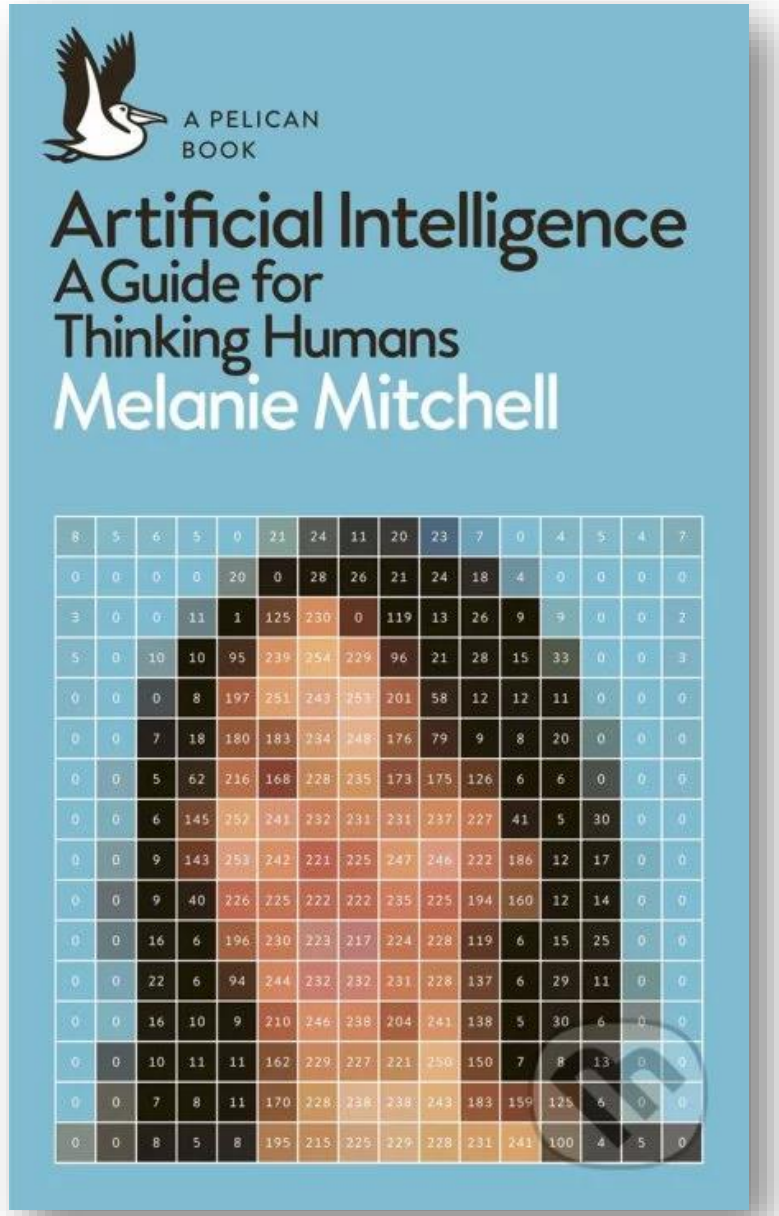

lamps
lights
floor lamps
tripod
digitizing print & film scans
Susan Keller
Stuff that Educates Me


floors
studios
products
design
C$115.01
Tripod // lamp stand made from oak WITHOUT vintage clip...
Etsy
Alyssa Carrigan
Interior Design
Aceste 3 componente vă ajută să alegeți lampa de birou potrivită: ✓ dimensi...
Mobexpert Office
Mobexpert Office @Exp...
Tolomeo Lamp | Olsson & Gerthel
OlssonGerthel
Belysning
480 watt triple softbox strobe kit with wireless trigger
Gianna Marie
Photography

Put your cameras to work.

Camio is the real-time video search engine that puts existing cameras to work to understand the problems that warrant human attention. Unlike passive evidence collection, Camio makes protective security economically feasible.

too close without mask


A PELICAN
BOOK
Artificial Intelligence
A Guide for
Thinking Humans
Melanie Mitchell

– Refine

› Images only (450,318)

+ Maker

+ Object type

+ Period

+ Place

+ Material

+ Technique

Color

Dolls' house of Petronella Oortman

anonymous, c. 1686 - c. 1710

On display in room 2.20

Chest with nine bottles

anonymous, c. 1680 - c. 1700

Seated Cupid

Blue Macaw

Meissener Porzellan Manufaktur, 1731

On display in room 1.4

Weepers from the tomb of Isabella...

Borman workshop (attributed to), Renier van Thienen (I) (attributed to), c. 1475 - c. 1476

Cupboard

Herman Doomer, c. 1635 - c. 1645

On display in room 2.8

› Images only (450,318)

+ Maker

+ Object type

+ Period

+ Place

+ Material

+ Technique

Color

+ Material

› paper (502,648)

› photographic paper (104,304)

› cardboard (65,867)

› ink (40,436)

› pencil (37,250)

› chalk (27,007)

› watercolor (pa

› linen (materia

› wood (plant n

› porcelain (8,8

› silver (metal)

Load more

+ Technique

› etching (175,090)

› engraving (124,116)

› albumen print (59,542)

› pen (38,251)

› letterpress printing (29,574)

› brush (29,311)

+ Maker

› anonymous (161,471)

› George Hendrik Breitner (5,576)

› Jan Luyken (4,895)

› Reinier Vinkeles (I) (4,347)

› Marius Bauer (3,339)

› Isaac Israels (2,864)

› unknown (2,859)

› Johannes Tavenraat (2,649)

› Daniel Nikolaus Chodowiecki (2,481)

› Aat Veldhoen (2,430)

› Bernard Picart (2,351)

Load more

+ Object type

› print (329,964)

› photograph (113,983)

› drawing (48,099)

› photomechanical print (29,055)

› carte-de-visite (16,612)

› letter (11,140)

› stereograph (10,709)

› painting (4,783)

› cabinet photograph (4,349)

› book (4,027)

› history medal (3,783)

Load more

Vyhledávačka

Porovnejte výsledky a funkce jednotlivých vyhledávačů na základě *q*.

A. Google Images
B. Yahoo Image Search
C. Bing Image Search
D. Flickr Search

1. Najděte obrázek psa na růžovém pozadí s malou hloubkou ostrosti (tj. pozadí bude rozostřené).
2. Najděte ruční náčrtek/kresbu psa nebo kočky ve veřejné doméně *(public domain).*
3. Nejděte kvalitní portrétní fotky vašeho oblíbeného herce/herečky.

Specifika vyhledávání videa

- textová metadata
- speciální sbírky
- obrovský nárůst dat
- *content-based video retrieval*
- i zde směr automatizace

CONSTANT GARDENER
COACH CARTER
BURIED
BURIED
BURIED
BURNING BUSH
BURNT BY THE SUN
BOETTICHER
BULLITT
BULL DURHAM
BURNING PLAIN
BURN AFTER READING
BUSTER KEATON
BULLITT
BUCKET LIST
BROKEN EMBRACES
BRIGHT YOUNG THINGS
BROTHERS
BROTHERS
BREAD and CHOCOLATE
CRIMINAL JU
CAPTAIN PHILLIPS
CAPTAIN AMERICA
CASANOVA
CAT PEOPLE
CAPTAIN AMERICA
Captain from Castile
capote
capote
CARANCHO
CABIN IN THE SKY
candy
CALVARY
CAIRO STATION
CAMILLE CLAUDEL
CADFAEL
CADFAEL

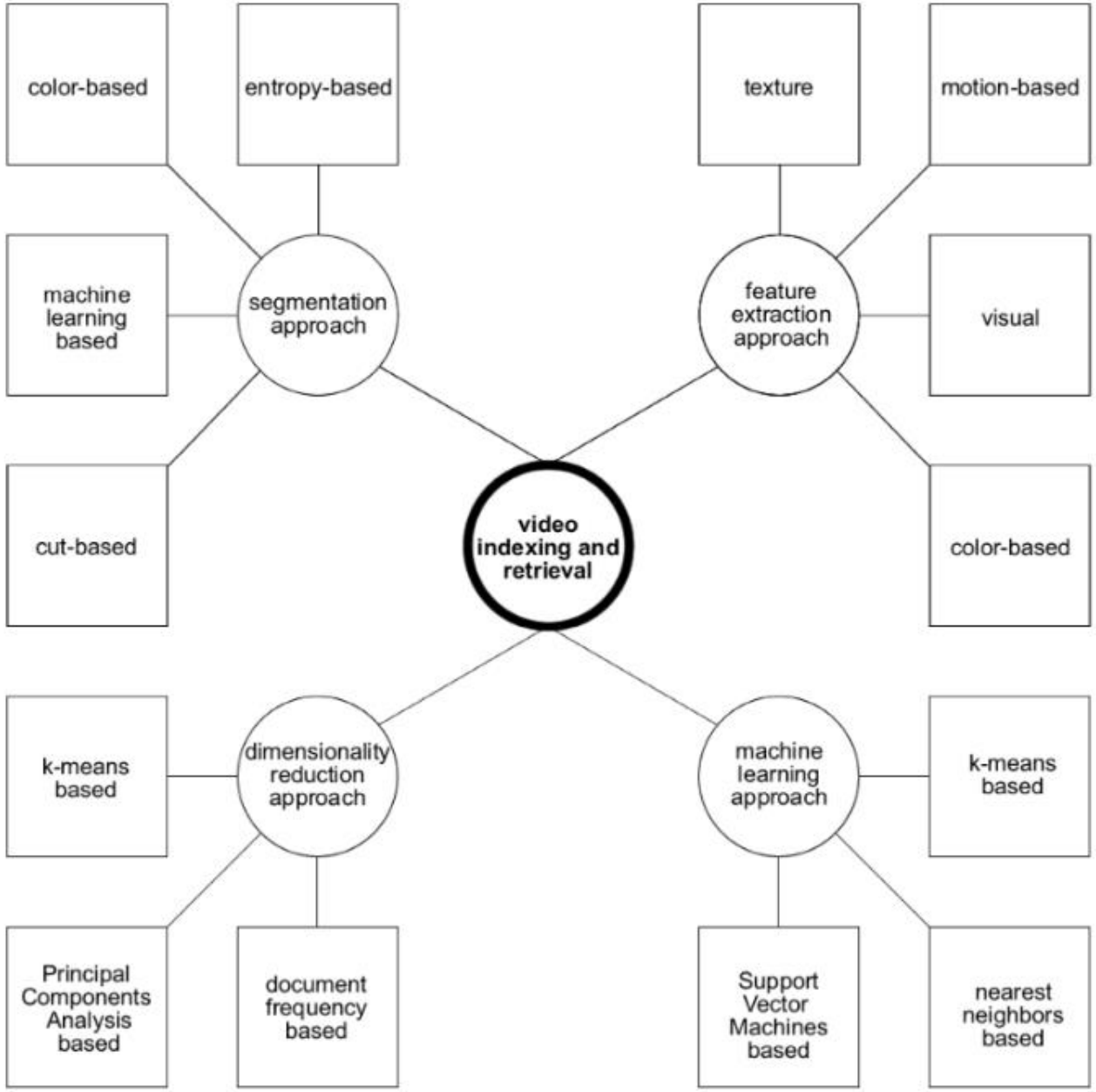


Fig. 3. Usual approaches found in content-based video indexing and retrieval.

Engineering Applications of Artificial Intelligence 90 (2020) 103557

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Engineering Applications of Artificial Intelligence

journal homepage: www.elsevier.com/locate/engappai

A systematic review on content-based video retrieval☆

Newton Spolaôr [a], Huei Diana Lee [a,*], Weber Shoity Resende Takaki [a,b], Leandro Augusto Ensina [a], Claudio Saddy Rodrigues Coy [b], Feng Chung Wu [a,b]

[a] Laboratory of Bioinformatics, Western Paraná State University, Foz do Iguaçu, Paraná, Presidente Tancredo Neves Avenue, 6731, ZIP code: 85867-900, Brazil
[b] Service of Coloproctology, Faculty of Medical Sciences, University of Campinas, Campinas, São Paulo, Brazil

ARTICLE INFO

Keywords:
Color features
Unsupervised learning
Shot boundary detection

ABSTRACT

Content-based video retrieval and indexing have been associated with intelligent methods in many applications such as education, medicine and agriculture. However, an extensive and replicable review of the recent literature is missing. Moreover, relevant topics that can support video retrieval, such as dimensionality reduction, have not been surveyed. This work designs and conducts a systematic review to find papers able to answer the following research question: "what segmentation, feature extraction, dimensionality reduction and machine learning approaches have been applied for content-based video indexing and retrieval?". By applying a research protocol proposed by us, 153 papers published from 2011 to 2018 were selected. As a result, it was found that strategies for cut-based segmentation, color-based indexing, k-means based dimensionality reduction and data clustering have been the most frequent choices in recent papers. All the information extracted from these papers can be found in a publicly available spreadsheet. This work also indicates additional findings and future research directions.

1. Introduction

Multimedia documents composed of different media types have increasingly been published and consumed (Guo et al., 2015; Benois-Pineau et al., 2012). This fact is due to the larger access to computational resources and the Internet, among other reasons (Bhaumik et al., 2016). Video in particular consists in a usual way to capture and share information, as it is able to represent moving objects in space and time accordingly. These benefits come at the price of reasonable storage and processing costs (Priya and Shanmugam, 2013).

In general, video content is richer than single image content (Hu et al., 2011). A video file typically has much raw data, but little prior structure. Moreover, information available in video occasionally include textual metadata and captions, images (frames) and audio.

Due to the crescent interest in video, automatic indexing and retrieval are usually considered in multimedia research. In particular, the former specifies indexes (features) to describe a video, whereas the latter allows one to search for relevant videos. These tasks can be combined, for example, to find video in an indexed database that

2015), education (Yang and Meinel, 2014), geo-referenced video (Yin et al., 2015), human action recognition (Shao et al., 2014), journalism (Youssesian and Rajan, 2012), marketing (Sharma et al., 2013), medicine (Charrière et al., 2014), sports (Al Kabary and Schuldt, 2014) and television broadcast (Mühling et al., 2016).

To support video indexing and retrieval, some additional topics can be useful (Puthenputhussery et al., 2017; Priya and Shanmugam, 2013; Hu et al., 2011). Video segmentation is a classical preliminary step typically implemented to separate a video into several units that potentially improve indexing (Pereira et al., 2015; Yuan et al., 2007; Lelescu and Schonfeld, 2001). Dimensionality Reduction (DR) techniques, usual in data mining research (Han and Kamber, 2011), represent an alternative to keep only relevant and non-redundant video indexes or combine the original indexes to create new features (Shao et al., 2014; Huang and Chen, 2011). Machine Learning (ML), in turn, can be associated with the remaining topics, for example, to discover segment boundaries or learn meaningful video indexes (Yang and Meinel, 2014; Choi et al., 2013; André et al., 2012). ML has also been useful to support video

CBVR

- osobní využití
- institucionální využití (TV producent)

- dohledové technologie
- *surveillance video*
- *forensic video analysis*
- lidé, auta, aktivity
- *City Surveillance*

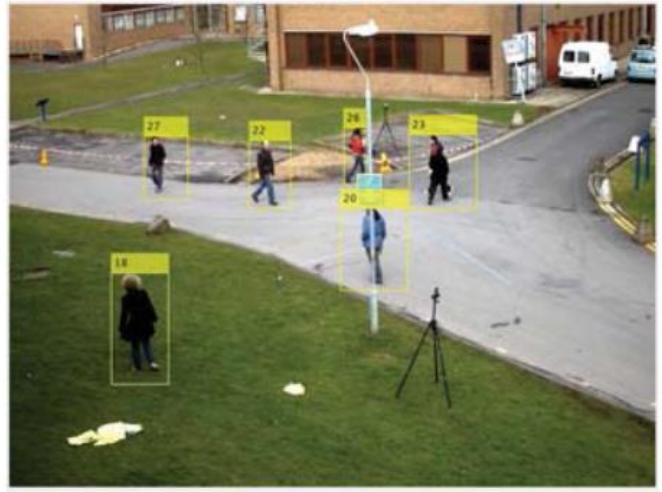
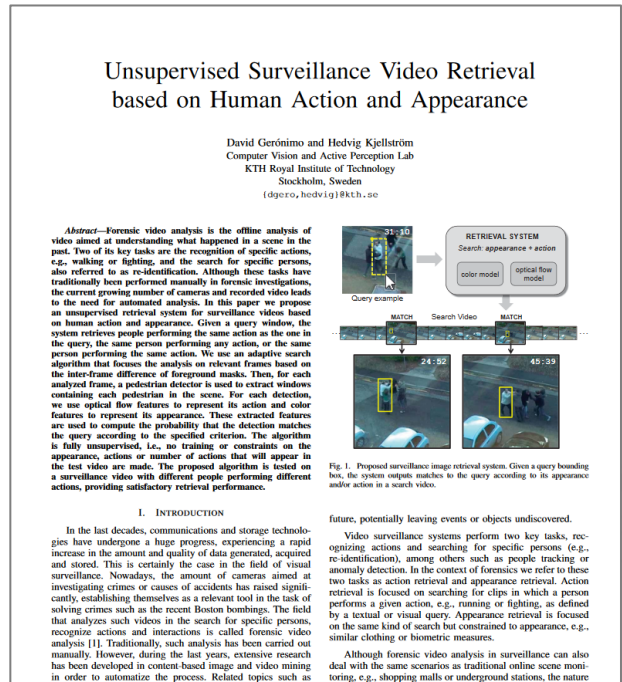


Fig. 4. Final results by the system.

TABLE II
RETRIEVAL RESULT CORRESPONDING TO DOMINANT COLOR (DC), EDGE HISTOGRAM (EH), COVARIANCE MATRIX (CM) AND SIFT DESCRIPTORS. THE QUERY BLOB IS IN THE LEFT WHILE THE FIVE RELEVANT BLOBS AND THEIR RANKS ARE IN THE RIGHT.

Query	Retrieved objects				
DC	1	36	31	25	49
EH	1	21	45	35	25
CM	1	7	24	2	10
SIFT	1	39	31	28	29



Unsupervised Surveillance Video Retrieval based on Human Action and Appearance

David Gerónimo and Hedvig Kjellström
Computer Vision and Active Perception Lab
KTH Royal Institute of Technology
Stockholm, Sweden
{dgero,hedvig}@kth.se

***Abstract*—Forensic video analysis is the offline analysis of video aimed at understanding what happened in a scene in the past. Two of its key tasks are the recognition of specific actions, e.g., walking or fighting, and the search for specific persons, also referred to as re-identification. Although these tasks have traditionally been performed manually in forensic investigations, the current growing number of cameras and recorded video leads to the need for automated analysis. In this paper we propose an unsupervised retrieval system for surveillance videos based on human action and appearance. Given a query window, the system retrieves people performing the same action as the one in the query, the same person performing any action, or the same person performing the same action. We use an adaptive search algorithm that focusses the analysis on relevant frames based on the inter-frame difference of foreground masks. Then, for each analyzed frame, a pedestrian detector is used to extract windows containing each pedestrian in the scene. For each detection, we use optical flow features to represent its action and color features to represent its appearance. These extracted features are used to compute the probability that the detection matches the query according to the specified criterion. The algorithm is fully unsupervised, i.e., no training or constraints on the appearance, actions or number of actions that will appear in the test video are made. The proposed algorithm is tested on a surveillance video with different people performing different actions, providing satisfactory retrieval performance.**

Fig. 1. Proposed surveillance image retrieval system. Given a query bounding box, the system outputs matches to the query according to its appearance and/or action in a search video.

I. INTRODUCTION

In the last decades, communications and storage technologies have undergone a huge progress, experiencing a rapid increase in the amount and quality of data generated, acquired and stored. This is certainly the case in the field of visual surveillance. Nowadays, the amount of cameras aimed at investigating crimes or causes of accidents has raised significantly, establishing themselves as a relevant tool in the task of solving crimes such as the recent Boston bombings. The field that analyzes such videos in the search for specific persons, recognize actions and interactions is called forensic video analysis [1]. Traditionally, such analysis has been carried out manually. However, during the last years, extensive research has been developed in content-based image and video mining in order to automatize the process. Related topics such as future, potentially leaving events or objects undiscovered.

Video surveillance systems perform two key tasks, recognizing actions and searching for specific persons (e.g., re-identification), among others such as people tracking or anomaly detection. In the context of forensics we refer to these two tasks as action retrieval and appearance retrieval. Action retrieval is focused on searching for clips in which a person performs a given action, e.g., running or fighting, as defined by a textual or visual query. Appearance retrieval is focused on the same kind of search but constrained to appearance, e.g., similar clothing or biometric measures.

Although forensic video analysis in surveillance can also deal with the same scenarios as traditional online scene monitoring, e.g., shopping malls or underground stations, the nature

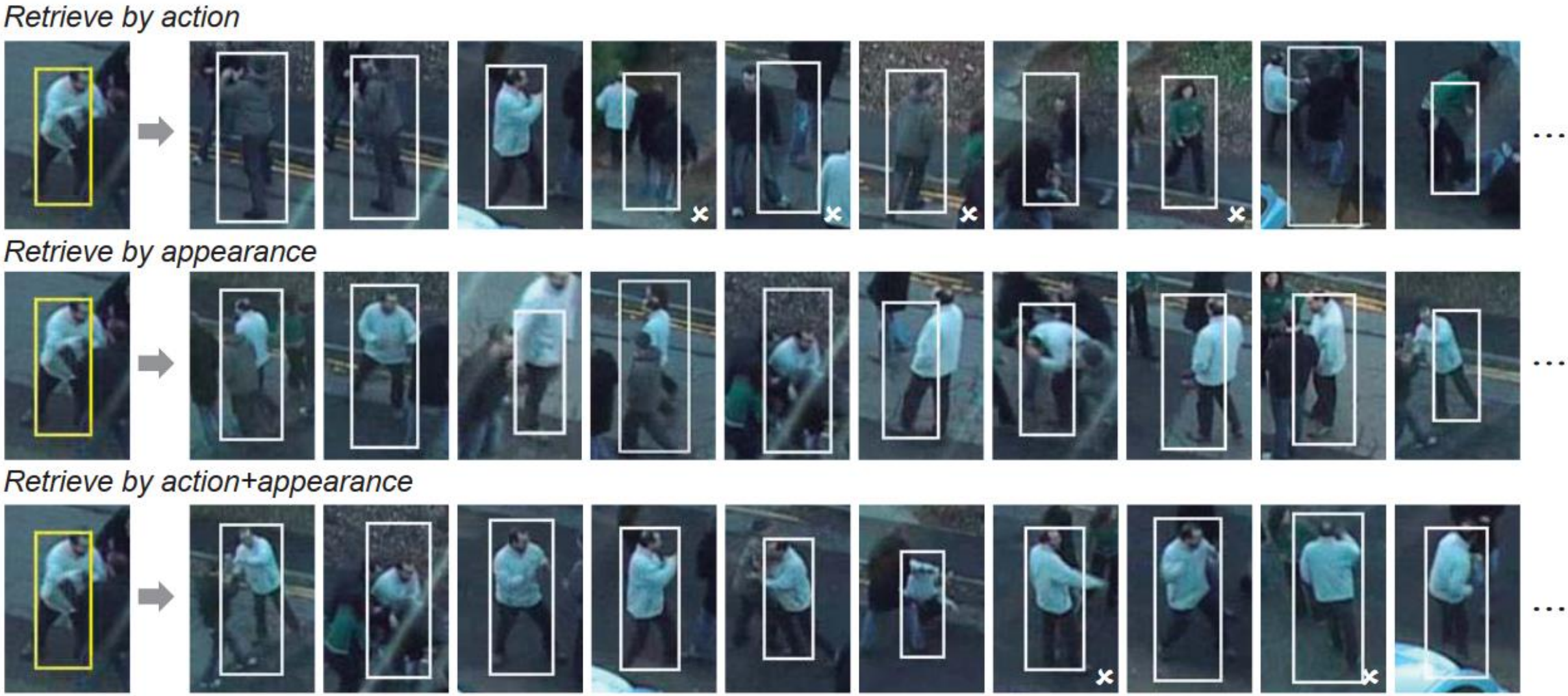


Fig. 4. Examples of queries and retrieved results. The cross marks the incorrect matches.

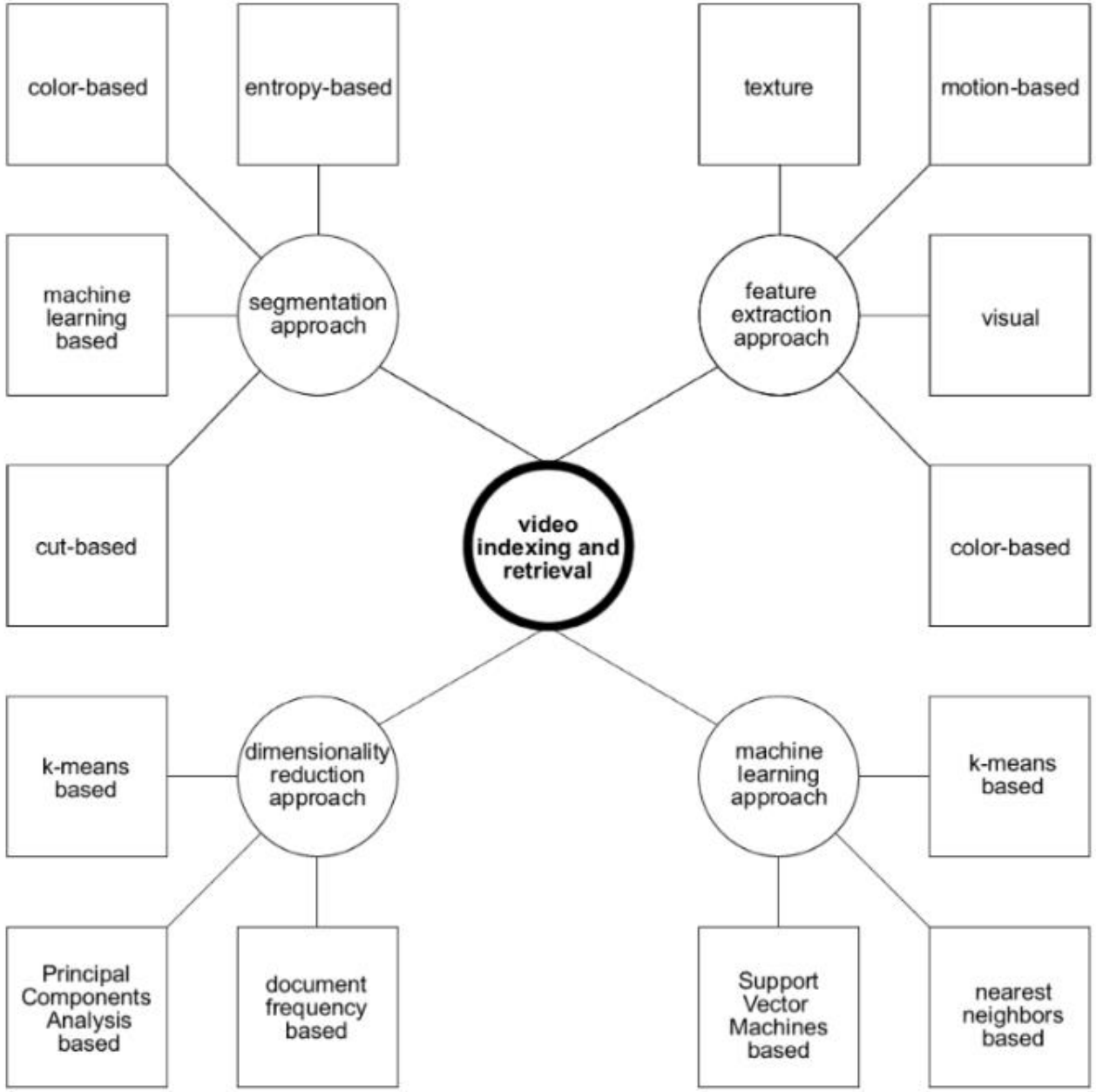


Fig. 3. Usual approaches found in content-based video indexing and retrieval.

Engineering Applications of Artificial Intelligence 90 (2020) 103557

Contents lists available at ScienceDirect

Engineering Applications of Artificial Intelligence

journal homepage: www.elsevier.com/locate/engappai

A systematic review on content-based video retrieval☆

Newton Spolaôr [a], Huei Diana Lee [a,*], Weber Shoity Resende Takaki [a,b], Leandro Augusto Ensina [a], Claudio Saddy Rodrigues Coy [b], Feng Chung Wu [a,b]

[a] Laboratory of Bioinformatics, Western Paraná State University, Foz do Iguaçu, Paraná, Presidente Tancredo Neves Avenue, 6731, ZIP code: 85867-900, Brazil
[b] Service of Coloproctology, Faculty of Medical Sciences, University of Campinas, Campinas, São Paulo, Brazil

ARTICLE INFO

Keywords:
Color features
Unsupervised learning
Shot boundary detection

ABSTRACT

Content-based video retrieval and indexing have been associated with intelligent methods in many applications such as education, medicine and agriculture. However, an extensive and replicable review of the recent literature is missing. Moreover, relevant topics that can support video retrieval, such as dimensionality reduction, have not been surveyed. This work designs and conducts a systematic review to find papers able to answer the following research question: "what segmentation, feature extraction, dimensionality reduction and machine learning approaches have been applied for content-based video indexing and retrieval?". By applying a research protocol proposed by us, 153 papers published from 2011 to 2018 were selected. As a result, it was found that strategies for cut-based segmentation, color-based indexing, k-means based dimensionality reduction and data clustering have been the most frequent choices in recent papers. All the information extracted from these papers can be found in a publicly available spreadsheet. This work also indicates additional findings and future research directions.

1. Introduction

Multimedia documents composed of different media types have increasingly been published and consumed (Guo et al., 2015; Benois-Pineau et al., 2012). This fact is due to the larger access to computational resources and the Internet, among other reasons (Bhaumik et al., 2016). Video in particular consists in a usual way to capture and share information, as it is able to represent moving objects in space and time accordingly. These benefits come at the price of reasonable storage and processing costs (Priya and Shanmugam, 2013).

In general, video content is richer than single image content (Hu et al., 2011). A video file typically has much raw data, but little prior structure. Moreover, information available in video occasionally include textual metadata and captions, images (frames) and audio.

Due to the crescent interest in video, automatic indexing and retrieval are usually considered in multimedia research. In particular, the former specifies indexes (features) to describe a video, whereas the latter allows one to search for relevant videos. These tasks can be combined, for example, to find video in an indexed database that

2015), education (Yang and Meinel, 2014), geo-referenced video (Yin et al., 2015), human action recognition (Shao et al., 2014), journalism (Youssesian and Rajan, 2012), marketing (Sharma et al., 2013), medicine (Charrière et al., 2014), sports (Al Kabary and Schuldt, 2014) and television broadcast (Mühling et al., 2016).

To support video indexing and retrieval, some additional topics can be useful (Puthenputhussery et al., 2017; Priya and Shanmugam, 2013; Hu et al., 2011). Video segmentation is a classical preliminary step typically implemented to separate a video into several units that potentially improve indexing (Pereira et al., 2015; Yuan et al., 2007; Lelescu and Schonfeld, 2001). Dimensionality Reduction (DR) techniques, usual in data mining research (Han and Kamber, 2011), represent an alternative to keep only relevant and non-redundant video indexes or combine the original indexes to create new features (Shao et al., 2014; Huang and Chen, 2011). Machine Learning (ML), in turn, can be associated with the remaining topics, for example, to discover segment boundaries or learn meaningful video indexes (Yang and Meinel, 2014; Choi et al., 2013; André et al., 2012). ML has also been useful to support video

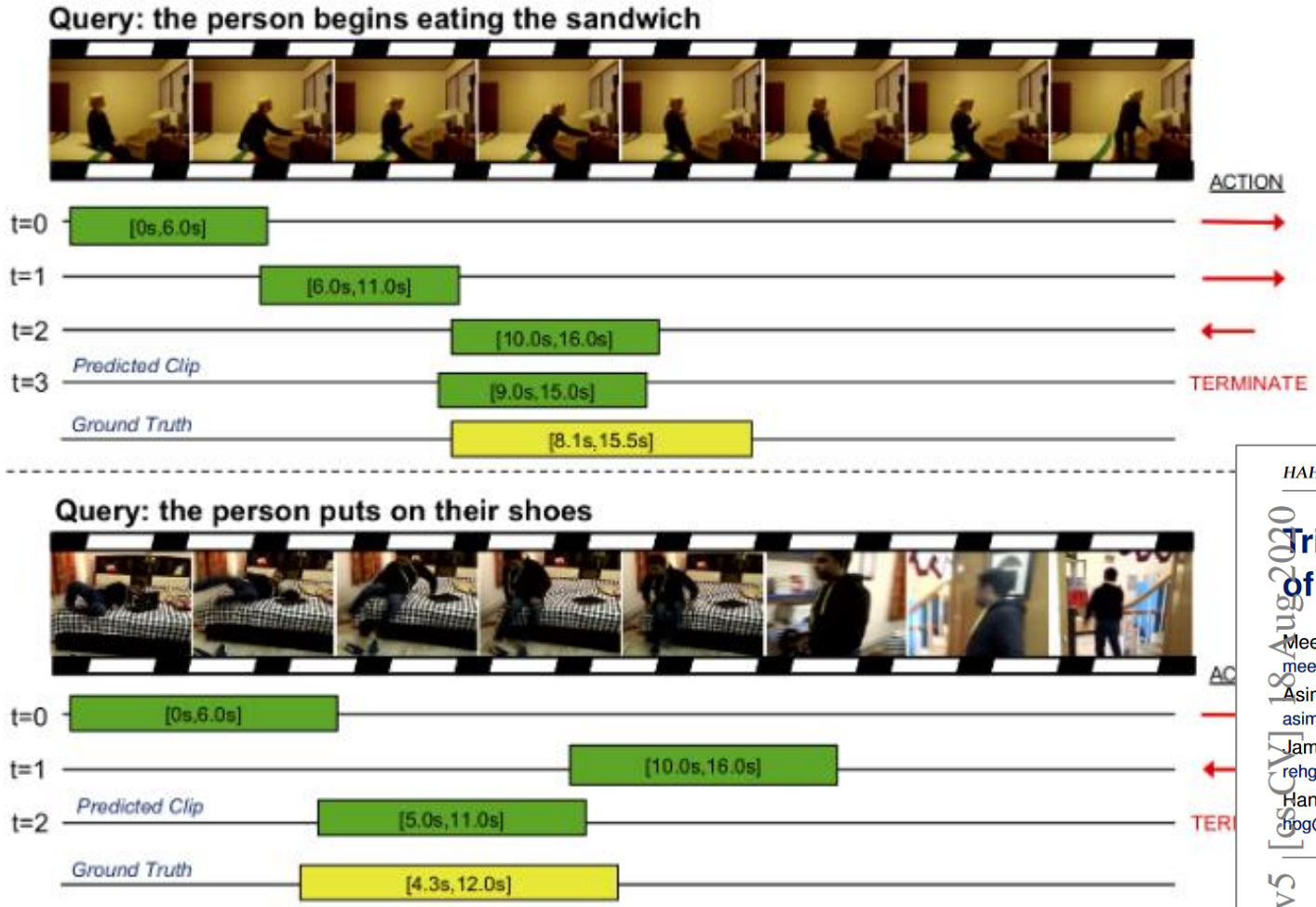


Figure 3: Qualitative performance of TripNet-GA: We show two examples where th agent skips through the video looking at different candidate windows before termi search. Both these videos are from the Charades-STA dataset.

Tripping through time: Efficient Localization of Activities in Videos

Meera Hahn[1]
meerahahn@gatech.edu
Asim Kadav[2]
asim@nec-labs.com
James M. Rehg[1]
rehg@gatech.edu
Hans Peter Graf[2]
hpg@nec-labs.com

[1] College of Computing
Georgia Institute of Technology
Atlanta, GA

[2] Machine Learning Department
NEC Labs America
Princeton, NJ

arXiv:1904.09936v5 [cs.CV] 18 Aug 2020

Abstract

Localizing moments in untrimmed videos via language queries is a new and interesting task that requires the ability to accurately ground language into video. Previous works have approached this task by processing the entire video, often more than once, to localize relevant activities. In the real world applications of this approach, such as video surveillance, efficiency is a key system requirement. In this paper, we present TripNet, an end-to-end system that uses a gated attention architecture to model fine-grained textual and visual representations in order to align text and video content. Furthermore, TripNet uses reinforcement learning to efficiently localize relevant activity clips in long videos, by learning how to intelligently skip around the video. It extracts visual features for few frames to perform activity classification. In our evaluation over Charades-STA [14], ActivityNet Captions [26] and the TACoS dataset [36], we find that TripNet achieves high accuracy and saves processing time by only looking at 32-41% of the entire video.

1 Introduction

Past TRECVID guidelines

TRECVID 2019
TRECVID 2018
TRECVID 2017
TRECVID 2016
TRECVID 2015
TRECVID 2014
TRECVID 2013
TRECVID 2012
TRECVID 2011
TRECVID 2010
TRECVID 2009
TRECVID 2008
TRECVID 2007
TRECVID 2006
TRECVID 2005
TRECVID 2004
TRECVID 2003
TREC-2002 Video Track
TREC-2001 video Track

TREC Video Retrieval Evaluation: TRECVID

The TREC conference series is sponsored by the National Institute of Standards and Technology (NIST) with additional support from other U.S. government agencies. The goal of the conference series is to encourage research in information retrieval by providing a large test collection, uniform scoring procedures, and a forum for organizations interested in comparing their results. In 2001 and 2002 the TREC series sponsored a video "track" devoted to research in automatic segmentation, indexing, and content-based retrieval of digital video. Beginning in 2003, this track became an independent evaluation (**TRECVID**) with a workshop taking place just before TREC.

TRECVID 2020

TRECVID 2020 new registration is now closed. If you would like to join **TRECVID 2021** please send a request by email

TRECVID 2020 guidelines

TRECVID 2020 gu

TRECVI

The annual "TREC
coordinated serie
evaluation of rese

By design, TRECV
execution that is
teams are compa
from research pro
aspect.

To preserve the d
the dissemination
or inaccurate info
TRECVID results a

TRECVID 2020 Tasks

In TRECVID 2020, 4 tasks (AVS, INS, VTT, ActEV) will contiue with some revisions, while SMKBP t
introduced: Video Summarization (VSUM) and Disaster Scene Description and Indexing (DSDI
operational disaster video footage collected from natural disaster events.

- Ad-hoc Video Search **[Vimeo Creative Commons Collection (V3C)]**
- Activities in Extended Video **[VIRAT dataset]**
- Instance Search **[BBC EastEnders soap opera episodes]**
- Video to Text **[V3C video data]**
- Video Summarization **[BBC Eastenders soap opera episodes]**
- Disaster Scene Description and Indexing **[Low Altitude Disaster Imagery]**

VIRAT dataset

HowTo 100M dataset

News magazine, sci
educational

TV Episodes

fandom content

Scrape synopsis

Apply co-reference pronouns disambiguation and split in sentences

Face recognition for query characters

Align subtitles with video shots

Match using length-penalizing TF-IDF similarity

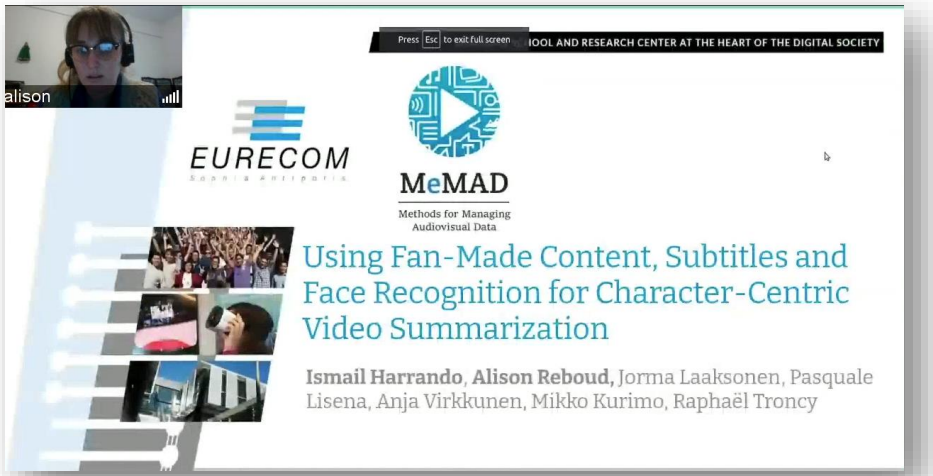
Eastenders videos + subtitles + master shot boundaries

$$sim_score(content, line) = \frac{\sum_{w \in line \cap content} TF_IDF(w)}{\log(|line \cup content| - |line \cap content| + 1)}$$

Corpus Creation

Alignment and Preprocessing

Matching and runs generation

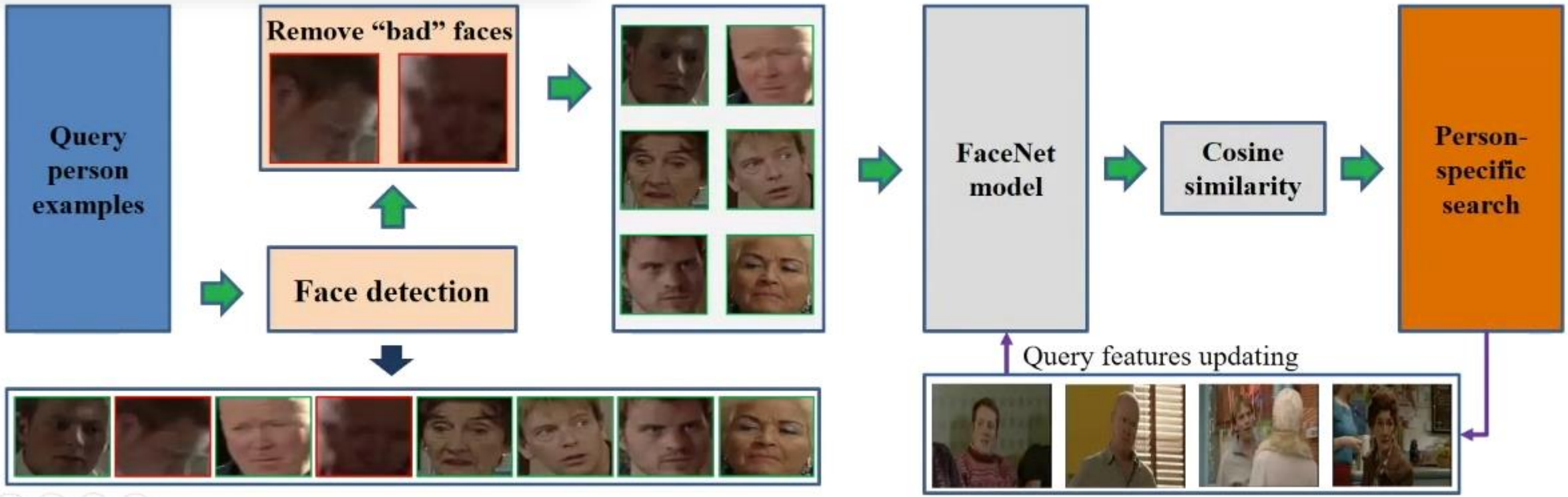


北京大学
PEKING UNIVERSITY

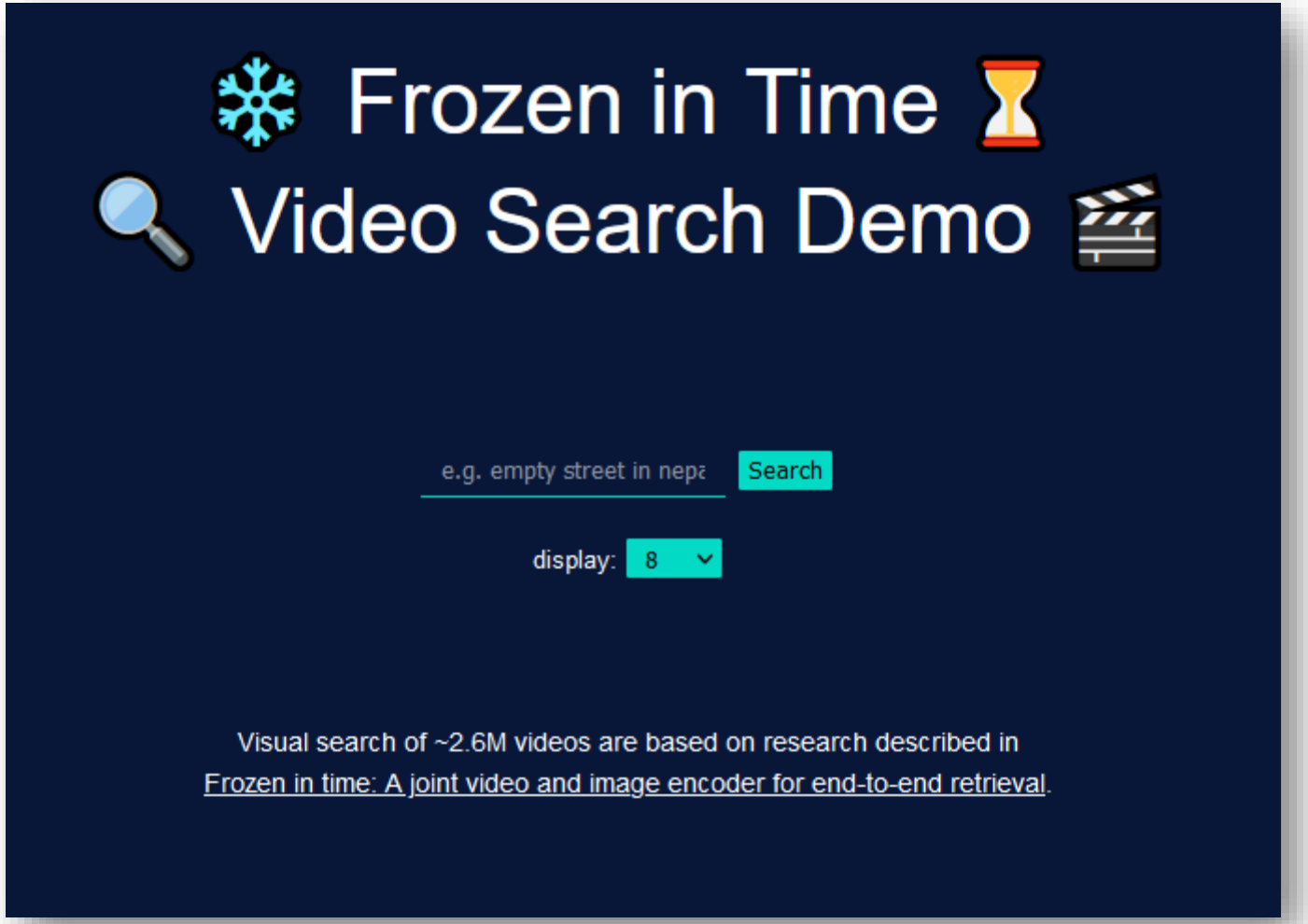
PKU_WICT at TRECVID 2020: Instance Search Task

A two-stage approach with similarity computing and result re-ranking

Yuxin Peng, ***Zhaoda Ye***, Junchao Zhang, and Hongbo Sun
Wangxuan Institute of Computer Technology,
Peking University, Beijing 100871, China
{pengyuxin@pku.edu.cn}



https://meru.robots.ox.ac.uk/frozen-in-time/
https://www.robots.ox.ac.uk/~vgg/demo/


Frozen in Time
Video Search Demo
e.g. empty street in nepa
Search
display: 8
Visual search of ~2.6M videos are based on research described in
Frozen in time: A joint video and image encoder for end-to-end retrieval.

videogoogle

Exploring Charade

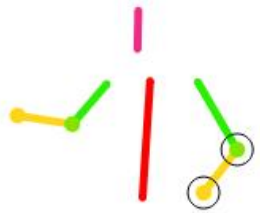
Viewing shots 631 to 640

Previous Next

Shot 631 Frames 81666 to 81716				Animate Video Thumbnails Search
Shot 632 Frames 81717 to 81836				Animate Video Thumbnails Search
Shot 633 Frames 81837 to 82324				Animate Video Thumbnails Search
Shot 634 Frames 82325 to 82905				Animate Video Thumbnails Search
Shot 635 Frames 82906 to 82980				Animate Video Thumbnails Search
Shot 636 Frames 82981 to 83095				Animate Video Thumbnails Search

Pose based Video Retrieval

Move the stickman joints



Predefined Poses

Hands On Hips | At Ease | Arms Folded

Restrict the search to... All Movies

Advanced options

About a Boy
01:17:47 - 01:17:53

Notting Hill
01:08:04 - 01:08:28

Love Actually
00:29:48 - 00:29:59

Lost in Translation
00:23:27 - 00:23:30

Apollo 13
01:01:17 - 01:01:26

Rainman
02:02:35 - 02:02:51

Pretty Woman
01:35:33 - 01:35:36

Buffy_s5e3
00:12:42 - 00:12:47

Forrest Gump
01:21:43 - 01:22:18

A fish called Wanda
00:35:56 - 00:36:05

Desperately seeking Susan
00:51:05 - 00:51:09

Groundhog Day
01:02:34 - 01:02:39

Results - mouse-over thumbnails for full frames (check the "Show Full Frames").

Go to page: 0

vitrivr

rome

FILTER

UPLOAD DATE	TYPE	DURATION	FEATURES	SORT BY
Last hour	Video	Short (< 4 minutes)	Live	**Relevance**
Today	Channel	Long (> 20 minutes)	4K	Upload date
This week	Playlist		HD	View count
This month	Movie		Subtitles/CC	Rating
This year	Show		Creative Commons	
			360°	
			VR180	
			3D	
			HDR	
			Location	
			Purchased	

YouTube

Dermot Kennedy - Rome (Lyrics)

1.8M views • 1 year ago

Gold Coast Music

Dermot Kennedy - **Rome** Lyrics » Stream: https://open.spotify.com/artist/5KNNV... Stream / Download Dermot Kennedy's debut ...

Rome Vacation Travel Guide | Expedia

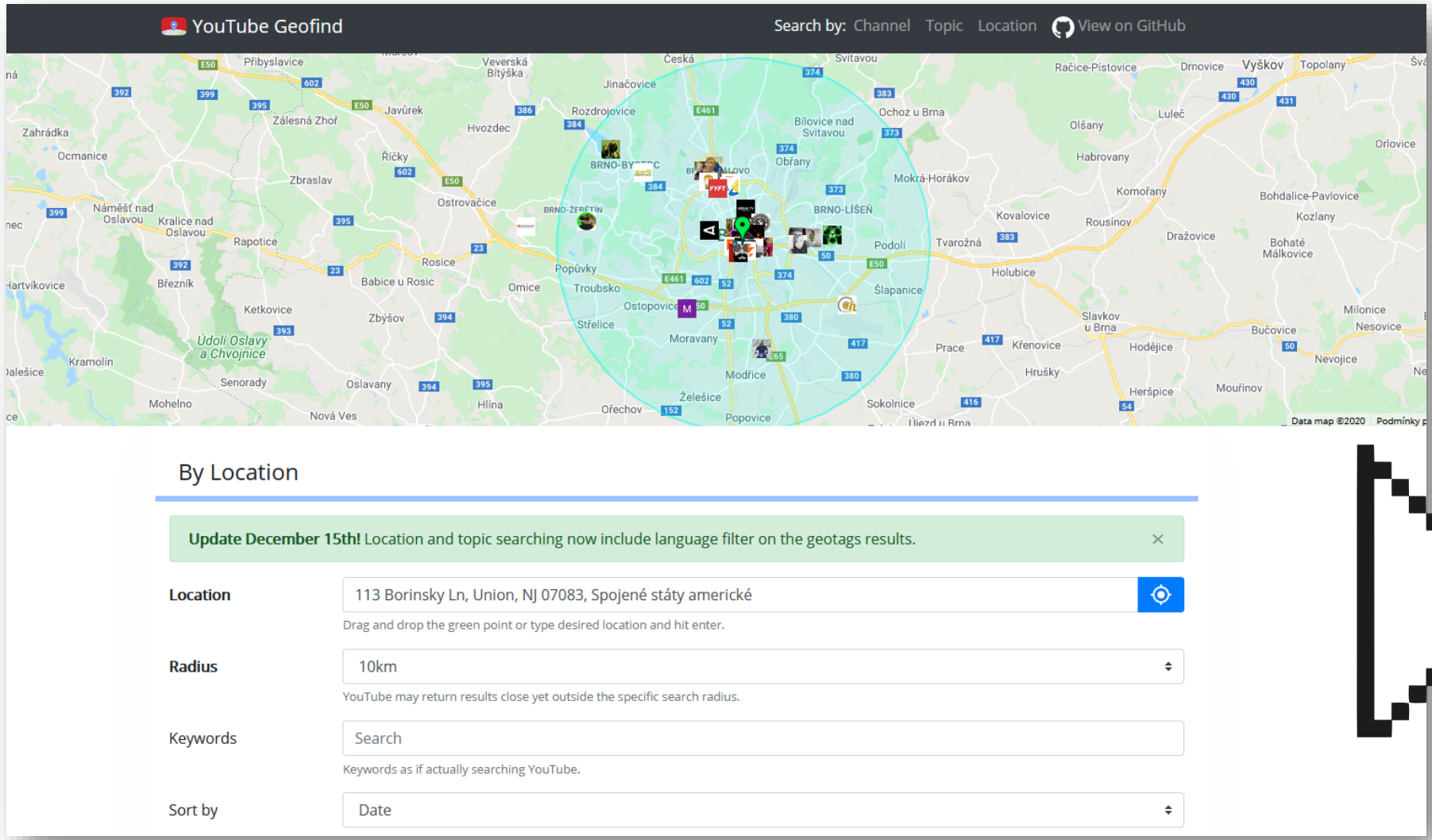
1.7M views • 7 years ago

Expedia

Rome – A city of staggering history and beauty. Check out its best sights in our travel video and start planning a trip of your own so ...

Vyhledávačka

Pokuste se vyhledat videa na YouTube, která se odehrávají v Brně a byla nahrána v posledním týdnu.


YouTube Geofind
Search by: Channel Topic Location View on GitHub
Data map ©2020
By Location
Update December 15th! Location and topic searching now include language filter on the geotags results.
Location
113 Borinsky Ln, Union, NJ 07083, Spojené státy americké
Drag and drop the green point or type desired location and hit enter.
Radius
10km
YouTube may return results close yet outside the specific search radius.
Keywords
Search
Keywords as if actually searching YouTube.
Sort by
Date

https://www.youtube.com/watch?v=tCFWraMxc-o

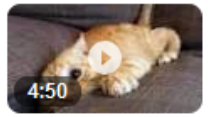
funny cats

Vše | Obrázky | Videa | Nákupy | Mapy | Více | Nastavení | Nástroje

Prohledat web | Všechny délky | Bez časového omezení | Libovolná kvalita | Všechna videa | Libovolný zdroj

www.youtube.com › watch

Funny Cats Cute and Baby Cats Videos ... - YouTube



Funny Cats ✪ Cute and Baby Cats Videos Compilation #85. 27,252,880 views27M views. • Jun 15, 2020. 114K ...

15. 6. 2020 · Nahráno uživatelem Funny Cats

www.youtube.com › watch

Funniest Cats - Don't try to hold back Laughter - Funny Cats Life

Funniest **Cats** - Don't try to hold back Laughter Watch more cute animals! https://youtube.com/playlist?list ...

3. 12. 2020 · Nahráno uživatelem Funny Cats Life

www.youtube.com › watch

Funny CATS - HOLD YOUR LAUGH IF YOU CAN ... - YouTube

Cats are simply the funniest and most hilarious animals! Can you hold your laugh while watching this super ...

4. 2. 2017 · Nahráno uživatelem Tiger Productions

www.youtube.com › watch

Funniest Cats - Don't try to hold back Laughter - Funny Cats Life

Funniest **Cats** - Don't try to hold back Laughter Watch more cute animals! https://youtube.com/playlist?list ...

15. 10. 2020 · Nahráno uživatelem Funny Cats Life

www.youtube.com › watch

FUNNY CATS that deserve 100 MILLION VIEWS! - YouTube

Funny cats that will stay in your mind :) Hope you like our video, please

Microsoft Bing

cats

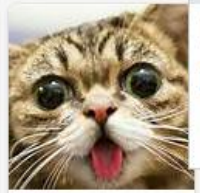
VŠE PRÁCE OBRÁZKY VIDEA ZPRÁVY

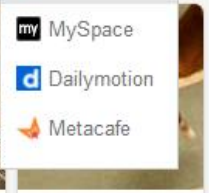
Délka Datum Rozlišení YouTube Cena Vymazat filtry

Vše
Filtr: Zdroj
YouTube
MySpace
Dailymotion
Metacafe

Cats

Compilation


Funny


Fails

Cats and dogs

Kittens

Breeds

Meowing

Playing piano

Cats 101

Dear kitten

Why do cats...

Funny Cats ✪ Cute and Baby Cats Videos Compilation #85

27 mil. zobrazení · před 6 měsíci
YouTube › Funny Cats

Funny Cats ✪ Cute and Baby Cats Videos Compilation #73

6.4 mil. zobrazení · před 7 měsíci
YouTube › Funny Cats

Taylor Swifts Singing "Macavity" in Cats | Cats The Movie | SceneScreen

632 tis. zobrazení · před 6 měsíci
YouTube › SceneScreen

Cats (2019) - Jellicle Songs for Jellicle Cats Scene (1/10) | Movieclips

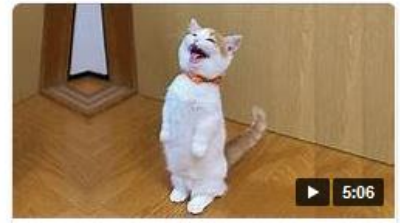
519 tis. zobrazení · před 8 měsíci
YouTube › Movieclips

Cats vs Cucumbers: Are Cats Scared of Cucumbers?

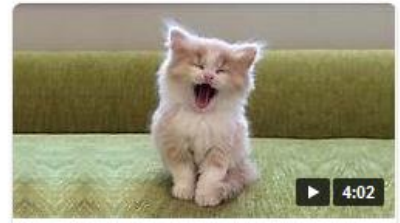
26 tis. zobrazení · před 7 měsíci
YouTube › Cats In Candace House

Cats Being Cats

Funny Cats ✪ Cute and Baby Cats Videos Compilation #51



Funny Cats ✪ Cute and Baby Cats Videos Compilation #52



Funny Cats ✪ Cute and Baby Cats Videos Compilation #83

BIRDS FOR CATS to watch ★ videos for cats

Sledujte svůj seznam stop. (1)

Vyhledávačka na doma

Dorazil uživatel se zájmem o **lidové kroje**
a je rozmrzelý, že je nemůže prohlížet přímo
v muzeích, do kterých měl ve zvyku jezdit.
Pokusme se pro něj identifikovat vhodné zdroje
digitalizovaných krojů – aby je mohl zkoumat
a prohlížet alespoň jako obrázky
v co nejvyšší kvalitě.

Vyhledávačka na doma

V knihovně jste nalezli jediný bestseller autora Sherwooda Andersona *(Dark Laughter)* v anglickém vydání z roku 1925. Na předsádce byla ilustrace, ale ve vašem vydání se desky slepily a při odtrhnutí vám z celé ilustrované předsádky zbyl jen malý nepoškozený kousek – zbytek je nenávratně pryč. Pokuste se dohledat, co se na obrázku v předsádce této knihy dělo…