

Ako hľadať zdroje?

Zuzana Berger Haladová

Ako oslovovať akademikov?

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RNDr. Jožko Mrkvička

Ing. Jožko Mrkvička, CSc.

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prof. Ing. Jožko Mrkvička, CSc.

z · d · u

Akademické tituly používané na Slovensku

Akademické tituly: Bc. · BcA · ICDr. · Ing. · Ing. arch. · JUDr. · Mgr. art. · Mgr. · MDDr. · MUDr. · MVDr. · PaedDr. · PharmDr. · PhD. · PhMr. · RNDr. · RSDr. · RTDr. · ThDr. · ThLic.

Vedecké hodnosti: CSc. · DrSc. · DSc. · Ph.D. · Th.D.

Vedecko-pedagogické tituly: doc. · prof. · Dr. h. c.

Zdroje

Kde začať?

- Wikipédia?
- Youtube?
- Google?

Spýtajte sa (školiťa) na korektný anglický/slovenský názov.

Zdroje

Google -> Google scholar

= na úplný začiatok

- je o téme slovenská kniha
- je o téme slovenská/česká diplomovka

= pokračujte

- najnovší prehľadový článok (survey)
- kniha? Spýtajte sa školiteľa
- knižnica? Univerzitná knižnica (<https://ukb.kis3g.sk>)

Zdroje

File Edit View History Bookmarks Tools Help

Microsoft Word - EI2011_S... x Doručená pošta (1) - z... x MRT02_TMO Handouts.pdf x Tutorial: Floating-Point Bi... x HDRuloha.pdf x W Profesor (vedecko-pe... x survey optical flow - Š... x

scholar.google.com/scholar?q=survey+optical+flow

Web Obrázky Viac... ZHaladova@gmail.com

Google

survey optical flow

Študovňa

Približný počet výsledkov: 800 000 (0,10 s)

Moje citáty 20

Články

Moja knižnica

Kedykoľvek

Od 2014

Od 2013

Od 2010

Vlastný rozsah...

Usporiadať podľa relevancie

Usporiadať podľa dátumu

☒ zahrnúť patenty

☒ zahrnúť citáty

☐ Vytvoriť upozornenie

Tip: Hľadať stránky iba v jazyku **slovenčina**. Svoj jazyk si môžete vybrať na stránke [Nastavenia Študovne](#).

The computation of optical flow

SS Beauchemin, JL Barron - ACM Computing Surveys (CSUR), 1995 - dl.acm.org

... We investigate the computation of **optical flow** in this **survey**: widely known methods for estimating **optical flow** are classified and examined by scrutinizing the hypotheses and assumptions they use. The **survey** concludes with a discussion of current research issues. ...

Citované 1060-krát Súvisiace články Všetky verzie 26 Web of Science: 349 Citovať Uložiť Viac

A database and evaluation methodology for optical flow

S Baker, D Scharstein, JP Lewis, S Roth... - International Journal of ..., 2011 - Springer

... Keywords **Optical flow** · **Survey** · Algorithms · Database · Benchmarks · Evaluation · Metrics 1

Introduction ... 3 The remainder of this paper is organized as follows. We begin in Sect. 2 with a **survey** of existing **optical flow** al- gorithms, benchmark databases, and evaluations. In Sect. ...

Citované 923-krát Súvisiace články Všetky verzie 52 Web of Science: 121 Citovať Uložiť Viac

View-based interpretation of real-time optical flow for gesture recognition

R Cutler, M Turk - 2013 10th IEEE International Conference and ..., 1998 - computer.org

... While many techniques have been developed, accurate and dense estimates are difficult to achieve (see [5] for a recent **survey**). There are four general categories for **optical flow** algorithms: differen- tial (gradient), region-based matching, energy-based, and phased-based. ...

Citované 236-krát Súvisiace články Všetky verzie 14 Citovať Uložiť Viac

Accuracy vs efficiency trade-offs in optical flow algorithms

H Liu, TH Hong, M Herman, T Camus... - Computer vision and ..., 1998 - Elsevier

... a **survey** of different approaches toward the goal of higher performance and present experimental studies on accuracy vs efficiency trade-offs. A detailed analysis of how this trade-off affects algorithm design is manifested in a case study involving two state-of-the-art **optical flow** ...

[PDF] z uni-stuttgart.de
Get it @ SFX CVTI

[PDF] z springer.com
Full View

[PDF] z sabanciuniv.edu

[HTML] z ed.ac.uk
Get it @ SFX CVTI

SK 8:27 8.10.2014

Zdroje

Nastavte si proxy server!

<http://www.uniba.sk/index.php?id=proxy>

Zdroje

Servery s odbornou literaturou

<http://ieeexplore.ieee.org>

<http://dl.acm.org/>

<http://www.springer.com>

Citačné servery

<http://www.citeulike.org/>

<http://citeseerx.ist.psu.edu>

Vedecký facebook

<http://www.researchgate.net/>

Ako čítať články?

How to Read a Paper - Srinivasan Keshav

<http://ccr.sigcomm.org/online/files/p83-keshavA.pdf>

3 passes,

1 pass (5-10 min)

- Carefully read the title, abstract, and introduction
- Read the section and sub-section headings, but ignore everything else
- Read the conclusions
- Glance over the references, mentally ticking off the ones you've already read

Ako čítať články?

- **Category:** What type of paper is this? A measurement paper? An analysis of an existing system? A description of a research prototype?
- **Context:** Which other papers is it related to? Which theoretical bases were used to analyze the problem?
- **Correctness:** Do the assumptions appear to be valid?
- **Contributions:** What are the paper's main contributions?
- **Clarity:** Is the paper well written?

The first pass is adequate for papers that aren't in your research area, but may someday prove relevant.

Ako čítať články?

2 pass (up to hour)

- Mark the keypoints, Make notes
- Look carefully at the figures, diagrams and other illustrations in the paper. Pay special attention to graphs. rushed, shoddy work from the truly excellent.
- Remember to mark relevant unread references for further reading (this is a good way to learn more about the background of the paper).

This level of detail is appropriate for a paper in which you are interested, but does not lie in your research speciality.

Ako čítať články?

3 pass (1-5 hours)

- virtually re-implement the paper: make the same assumptions as the authors and re-create their work.
- You should identify and challenge every assumption in every statement

Ako čítať články?

How to survey literature

- First, use an academic search engine such as Google Scholar or CiteSeer and some well-chosen keywords to find three to five recent papers in the area
- do one pass on each paper to get a sense of the work, then read their related work sections
- if you are lucky, there will be a pointer to a recent survey paper
- find shared citations and repeated author names in the bibliography. These are the key papers and researchers. download these papers set them aside
- Find researchers, their recent work, top conferences
- Find key articles in recent top conference, download.
- Read 1,2,3

Abstrakt

Abstract. Work on photometric stereo has shown how to recover the shape and reflectance properties of an object using multiple images taken with a fixed viewpoint and variable lighting conditions. This work has primarily relied on known lighting conditions or the presence of a single point source of light in each image. In this paper we show how to perform photometric stereo assuming that all lights in a scene are distant from the object but otherwise unconstrained. Lighting in each image may be an unknown and may include arbitrary combination of diffuse, point and extended sources. Our work is based on recent results showing that for Lambertian objects, general lighting conditions can be represented using low order spherical harmonics. Using this representation we can recover shape by performing a simple optimization in a low-dimensional space. We also analyze the shape ambiguities that arise in such a representation. We demonstrate our method by reconstructing the shape of objects from images obtained under a variety of lightings. We further compare the reconstructed shapes against shapes obtained with a laser scanner.

Keywords: photometric stereo, Lambertian reflectance, Lorentz transformation, diffuse lighting

Export citácií

BIBTEX!

<http://generator.citace.com/>

EndNote, RefMan... -> MS Word

```
@Book{abramowitz+stegun,  
  author   = "Milton {Abramowitz} and Irene A. {Stegun}",  
  title    = "Handbook of Mathematical Functions with  
             Formulas, Graphs, and Mathematical Tables",  
  publisher = "Dover",  
  year     = 1964,  
  address  = "New York",  
  edition  = "ninth Dover printing, tenth GPO printing"  
}
```

Pred písaním práce

Odporúčania na písanie práce:

http://dai.fmph.uniba.sk/w/Recommendation_for_Writing_Bac

Záverečné práce:

<https://moja.uniba.sk/zaverecne-prace/>

Smernica rektora:

http://www.uniba.sk/fileadmin/user_upload/editors/subory/legislativa/2013/vp_2013_12.pdf

Pozvánka

KARTEL

<https://www.facebook.com/events/1543899275843534/?fref=ts>

K(C)reative ARt TEch Lab je nová séria
vzdelávacích a tvorivých dielní na priesečníku
umenia a technológií.

@A4
25- 26.10.2014



Pozvánka

HACKATON v SNG

<http://lab.sng.sk/>

@Berlinka

27- 29.11.2014

Projekty – Vizualizacia dát,
Analýza obrazu, Sound walk na výstavu,
Mobilná appka?

Granty

Etalent Tatrabanka 5.11.2014

<http://www.nadaciatatrabanky.sk/index.php/grantove-programy/e-talent/>

Študenti do sveta Apríl 2015

<http://www.nadaciatatrabanky.sk/index.php/grantove-programy/studenti-do-sveta/>

SPP Hlavička Máj 2015

<http://www.nadaciaspp.sk/sk/id/18>

Heidelberg Laureate Forum 2015- 28.2 (na august)

<http://www.heidelberg-laureate-forum.org/>

ACM W – 15.12 (na február-marec)

<http://women.acm.org/scholarship>

Naše konferencie/súťaže

ŠVK- apríl 2015
bakalárka/diplomovka/tímový projekt

CESCG- január 2015
bakalárka/diplomovka/tímový projekt
<http://www.cescg.org/>

Súťaž o účasť na SCCG 2015
Návrh obálky

Vinton Cerf



Turingova cena za TCP/IP

<http://www.heidelberg-laureate-forum.org/blog/video/lecture-tuesday-september-23-2014-vinton-gray-cerf/>