

Seminar Navigation I – Wintersemester 2009 / 2010

21. 10. 2009 Themenvergabe

28. 10. 2009 entfällt, wird am 3. 2. 2010 nachgeholt.

4. 11. 2009 entfällt, wird an Ersatztermin eingearbeitet.

11. 11. 2009

Schönherr *A new Approach to Linear Filtering and Prediction Problems,*
Kalman, Trans. ASME, J. Basic Engin., 82(D) 35 - 45 (1960)

18. 11. 2009

Güler *Localization error analysis for stereo X-ray image guidance with
probability method,*
Jiang et al., Med. Eng. Phys. 23, 573 - 581 (2001).

25. 11. 2009

Bickel *Submillimetric target-registration error using a novel non-
invasive fiducial system for image-guided surgery,*
CAS **9(4)** 145 - 153 (2004).
*Localization and registration accuracy in image-guided
neurosurgery: a clinical study.*
Shamir et al, JCARS **4**, 45 52 (2009)

2. 12. 2009

Marreiros *Unique shared-aperture display with head and target tracking.*
Chinthammit, W., Proc IEEE VR 2002, 286 - 242 (2002).

Plattner *Estimating uncertain spatial relationships in robotics,* in
Autonomous Robot Vehicles, p167 - 193 (1990), oder
R. C.,. Smith et al, Int. J. Robotics Res. **5(4)** 56 - 68 (1987)

9. 12. 2009

Diakov *Automatic image-to-world registration based on x-ray
projections in cone-beam CT-guided interventions,*

Med. Phys. 36(5) 1800 ff (2009)

Reka *Error modeling in stereo navigation.*

Matthies et al. in *Autonomous Robot Vehicles*, p135 - 144 (1990) oder Matthies et al, *IEEE J. Robotics Autom.* **3(3)**, 239 - 248 (1987).

16. 12. 2009 **Achtung, Beginn 15 Uhr!**

Bickel Chapter VI,
Spatial Error Analysis, D. Hsu, IEEE press (1999)

13. 1. 2010

Marreiros *Augmented reality viusalization of brain structures.....*
Proc. SPIE **4319** 445 - 456 (2001)

Schönherr *On fiducial target registration error in the presence of anisotropic noise.*
MICCAI 2007, LNCS 4792 (2) 628 - 635 (2007)

20. 1. 2010

Reka *Statistical theory of passive location systems.* in *Autonomous Robot Vehicles*, p151 - 166 (1990)
Torrieri, *IEEE Trans. Aerospace Elect. Sys.* **20(2)** 183 - 198 (1984)

Plattner Chapter VIII,
Spatial Error Analysis, D. Hsu, IEEE press (1999).

27. 1. 2010

Diakov *Efficient non-invasive registration with A-mode ultrasound.*
Medical Robotics, p 324 - 340 (2007)

Ertugrul *Introduction to the computation of graphics.*

3. 2. 2010

Güler Chapter VII
Spatial Error Analysis, D. Hsu, IEEE press (1999).

10. 2. 2010 Ersatztermin