

Final Report: VSP (H.-M. Hang), Dec 12, 2021

List of students & papers (January 20 (Thursday), 2022)

(1) 9:10 - 9:35	李其軒 溫博旭: S. Zhu and K.-K. Ma, "A new diamond search algorithm for fast block matching motion estimation," <i>IEEE Trans. Image Process.</i> , 9, (2), pp. 287–290, 2000.
(2) 9:35 – 10:00	沈柏丞 陳志榮: C. Zhu, X. Lin, and L.-P. Chau, "Hexagon-based search pattern for fast block motion estimation," <i>IEEE Trans. Circuits Syst. Video Technol.</i> , 12, (5), pp. 349–355, 2002.
(3) 10:00 – 10:25	賴珈妤 吳嘉菱: Y. Nie and K.-K. Ma, "Adaptive rood pattern search for fast block-matching motion estimation", <i>IEEE Trans, Image Processing</i> , vol. 11, no. 12, Dec. 2002.
(4) 10:25 – 10:50 Break: 10:50-11:00	李梓豪 歐俊杰: C. H. Cheung and L.M. Po, "A novel cross-diamond search algorithm for fast block motion estimation", <i>IEEE Trans. Circuits and Systems for Video Technology</i> , vol. 12, no. 12, Dec. 2002.
(5) 11:00 – 11:25	胡劍杰 Matthew Cheng: A. Ranjan, M. J. Black, "Optical Flow Estimation Using a Spatial Pyramid Network", <i>Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2017, pp. 4161-4170.
(6) 11:25 – 11:50	歐陽緒 張浩荃: D. Sun, X. Yang, M.-Y. Liu, J. Kautz, "PWC-Net: CNNs for Optical Flow Using Pyramid, Warping, and Cost Volume," <i>Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)</i> , 2018, pp. 8934-8943.
(7) 11:50 – 12:15	Aanchal Thakur & Yeshanew Ale Wubet: S. Meister , J. Hur , S. Roth, "UnFlow: unsupervised learning of optical flow with a bidirectional census loss," <i>AAAI</i> , New Orleans, Louisiana, 2018.
(8) 12:15 – 12:40	張雅涵 王盈煊: T. -W. Hui, X. Tang and C. C. Loy, "A Lightweight Optical Flow CNN —Revisiting Data Fidelity and Regularization," <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , vol. 43, no. 8, pp. 2555-2569, Aug. 2021.