

Panoptic Lintention Network: Towards Efficient Navigational Perception for the Visually Impaired

Wei Mao^{1,2} Jiaming Zhang¹ Kailun Yang¹ Rainer Stiefelhagen¹

IAR, Karlsruhe Institute of Technology, Germany
Sino-German School, Tongji University, China

- VerConv models Multi-scale and Channel Interactions
- Lintention learns long-range dependencies in linear time & space
- Panoptic Lintention Net: Fewer Parameters, Fewer FLOPs, Better Performance
- A Wearable Assistive System: Fulfill the navigational perception needs of the visually impaired

