YOLOV4、YOLOV7、YOLOV9的爱展想是

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Scientist vs Engineer

Scientists use systematic methods
to solve long-term problems

Engineers use existing methods to solve current problem We were lucky that ImageNet was built in 2010. It's like a visual dictionary

Start in 2007

Debut in CPVR 2009

Debut in CPVR 2009

Stop in 2010

Total classes: 24K

Total image s: 14M

R-CNN series two-stage object Letectors R-CNN (2013/11), Fast R-CNN (2015/4)

Faster R-CNN (2015/6)

Region Proposal

CNN Feature Extraction
SVM classification

設計物件偵測系統考量 I network architecture 2, feature integration method 3. detection method 4 loss function 5. label assignent method 6. training method

題的本基

要以既存的模型為基礎或為新模型 Model Scaling

inference speed at Edge Data loss during feed for ward Model Scaling 會受哪些職波動 Possible Scaling factors include:

re solution depth Width stage