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tavial Expression Revignition with Faster R-CNN This method is an end-to-end facility recognition method which was baster R-crin for detecting and classifying the famil expressions like angry tear, happy, sad, disgust and curprise. Faster R-com is a region proposal algorithm which corrists of Region Proposal Network (RPN) Por proposing Tylons. The image is given or input to convolutional layer VINIT-16 is used as convnet. VINIT-16 is a pretrained model with 16 layers. Its output is Reature map and for a feature map of north size, known are created for which k=9 in Faster R-KNN. The heature map is given or input to RPN. While training background classes (anchors whose IOU with ground touth objects 20.8) are ignored. For assigning class labels to the object proposals, the Reature map is imposed and RoI pooling is applied to get fixed leights proposals. Then two hully connected layers are used for blattening and two fully connected layers for regression and classification. The proposed met

Since Paster R-CNN is used, the Region of Interest of each image are marked birst during labelling and a softmare is used to get bounding box coordinates and it is transferred into Amil format. Availing is performed with I on threshold of o.p., Compared to traditional method, it locates the face region and recognize the expression directly.

For our project, bounding box coordinates are not needed. But vorce-16 convolution net will be used for feature extraction.