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### 0 DynamicViT: Efficient Vision Transformers with Dynamic Token Sparsification0 %ã db¥TJ`;~Ô
#### 1. **x zv€ÌfoN h8_Õî~**
- **€Ìfo**ÿ Vision Transformersÿ ViTÿ W(VþPÏR |{{INûR¡N-^hs°O _ ÿ OFQv‹¡{—Y gB^¦šØÿ \$Qvf/•êlèa □
- **h8_Õî<sup>~</sup>**ÿ Y,OUW(N f>"W–MONj!W‹`'€ýv"RMcĐN ÿ šØeHQÏ\ ViTv"‹¡{—'Ïÿ
#### 2. **Qs•.%Â[ßN R e°p1**
- **Qs•.‰Â[ß**ÿ ViTv,,g ~È~,mKNÅO••VNŽ\ 'ÏOá`o'ÏšØv,,VþPÏWWÿ tokenÿ ÿ QvOYtokenQ—OY^¦šØ0
- **R e°p1**ÿ
 - **R"` tokenz u•S **ÿ cĐQúWúNŽ•"QeQ...[¹v,,R"` tokenRjg•hFg¶ÿ DynamicViTÿ ÿ • keRT–dQ—OYto
 - **•{'Î~,mKj!WW**ÿ • •ÇMLP~,mKkÏN*tokenv,,'͉•`'R epÿ ~ÓT \@•èN Qh\@ry_•u b Rjg•Q3{V0
 - **lèa R>c©x {Vue**ÿ • •ÇSï_®v,,Gumbel-SoftmaxTŒlèa R>c©x ÿ \O...=^«Rjg•tokenv,,N¤N'ÿ ÿ [žs°zïF
#### 3. **e<sup>1</sup>lÕ~Æ,,**
- **R \BRjg•**ÿ W(Y N*Transformer\BcÒQe~,mKj!WWÿ R –6kµRjg•ÿ Y,12\Bj!W√N-ÿ W({,40 70 10\BRjg
- **<-~Ã{Vue**ÿ
 - **c_Y1Qýep**ÿ €TT O S R |{c_Y1ÿ CrossEntropyÿ 0 ",™•c_Y1ÿ N eY^ j!W‹token[ùŸPÿ 0 KLec^\; y•
 - **c"t R • **ÿ vôc¥c ~,,<3/kÔO<OÝuYšØ'͉•`tokenÿ eà— € †QSï_®`'0
#### 4. **[žšŒ~Ógœ**
- **`'€ý[ùkÔ**ÿ
 - **R • eHgœ**ÿ Rjg•66%v,,tokenÿ OÝuY34%ÿ ÿ FLOPsQÏ\ 31%~37%ÿ T T 'ÏcĐSG40%+ÿ |¾^¦N –M<
 - **j!W√[ùkÔ**ÿ DynamicViT-LV-M/0.7W(8.5G FLOPsN •¾R083.8%QÆxns‡ÿ O NŽEfficientNet-B5ÿ 9
- **Sï‰ÆS R g•**ÿ Rjg•T j!W‹€Zq&NŽVþPÏQs•.S:Wßÿ Y,riOSN-_Ãÿ ÿ šŒ‹ÁN†R¨` Rjg•v"T t `'0
#### 5. **b€q/O R¿**
- **xlNöSËY}**ÿ —^~Óg,,S Rjg•ÿ OÝuYtokenOM•nN Vú[šÿ NÍSï• •Ç•êlèa R›g:R6^v^L‹¡{—0
- **pum;`'**ÿ e/c N T ViTSØOSÿ Y,DeiT0 LV-ViTÿ ÿ N • u(NŽY'j!W√ÿ Y,384×384•"Qeÿ 0
#### 6. **\@-PN q*gee1T **
- **NûR¡bi\U**ÿ _SRM€Zq&R |{NûR¡ÿ g*geSïc¢}"‰Æ~'R |{0 [Æ–Æ~"mKÿ Y,hÀmK/R Rrÿ 0
- **t <PR g•**ÿ Rjg•[ùj!W<œ•hÒ`'TŒSï‰ã'Ê`'v,,_qTÍ— •ÛN kex zv0
#### 7. **`:~Ó**
DynamicViT• •ÇR" tokenz u•S ÿ ™-k![žs°N†ViTv,,šØeHR • N `'€ý^s^aÿ N:TransformerW(‰Æ‰ÉNûR
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ÿ lèÿ Y,— •ÛN keR g•QwOS[žšŒ~Æ,,b bi\U^"u(W:foÿ SïŒ u(vøQs]åQwf·SÔ^eQEepcn0 ÿ