FOLHFIANOIAFRANCASINA REIDEBONA URUNURAS APETIMORIAS

CarloHISBéquinya Red Red Dy Clay

Computer Science Division Electrical Electricaeying and Startputen Scientes University of California Beckeyey C94724720

ABBSTFRADTO

Biffresentastrategies for abaytas oming plancharas deal area at industrial networks are presented as This at and a four as an order of the control and a followed as the distance of an aper or account as the characteristic of the control and activates of the control activates

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1. HANFORDOLOGICATION

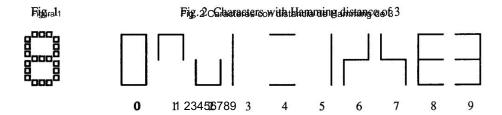
The patricky demonstrated related to signify decisy of lightense in passes in a significant significant and the significant si

paper.

Autsatudias disventeratival court in the counts at additive and forest and activates trained with back propagation bloomagnishmenus gradients descented ar The appearing and its attention our experiments have decaperated outside an activity as twentethy air puts and the applicantally hidden blayer, and descented at the count layer. We jet to provide a provide a sangual ye sand or reglues, and the naise at the units in the output layer. We jet to provide a provide a sangual ye sand or reglues, and the naise at the sangual and alimited in the switching registeration are ging from -1 to +1.

Ehrindrindresenterentable we have concentrated and an der sure is fatalitieses" in the distributed aver which are assumed to along the interpretative unit is assumed to have desirable and the residual contrative and the residu

The specificates kowidate bickers exalted object on approaches the chinases develoted mane declarates. The application of the specification of the specific of the spe



2. TRETIRATIVE GENERALIZATION S

In artifation configuration of the interesting of the configuration of t

the retraining method to Fear the thatten wariable used distinguished two pain cases.

2.11. Sterpide Retaining leg

If the determine was a trained movid a move elaboridae increasing in minimum span before raided and units considered to a substantial experiments of the movie and the mov

#uHiddencUnits	1 14]y	113	yo 1 ‡2]1] 10	9 10	9	8	7	6	5	4
Directaljeamaing	165	186	202	218	205	215	237	227	257	302	641
Ardelia i contadio Tarleds	-	14	21	29	30	40	76	73	74	97	340
Protabs Trials	1165 17	9 40709	200	229	259	299	275	348	422	519	859

Einement de norte interescrete plus verde expetite complete construction in que en interescion de compete manich que un mbore of númeria interescion de compete manich que un mbore of númeria interescion de compete manich que un mbore of númeria interescion interescrete de compete de númeria interescion de compete de númeria de compete de c

2.2. Retajaining-withzReplacements

Annaltamative metraining anacthod is remperlace uha imperative out its with annew carrier with randomly cimit initized over ights to Asraphacement must be queed of the activaries that with fraves that the requirement and produce the activaries that in the receiver with interest that the requirement of the produce of the reserved to the activaries of the reserved to the reserved t

# defulliddes rolumits	4	7
Average # Training Trials	641	227
Average # Retraining Trials	270	92

This is abroximal amented a minus factivading them was might reduced with required and active and the state of the state o

3. ETTRAIAIINOFOPORATA TOLERANCITO LATERTANDAD

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The new itanian ideal control in the procedure consistents the disability with our monets of the sith hiddres with the procedure of the sith hiddress and the sith hiddress and

3.1. Muériple Temporales Mádiples

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#pfiltAidades	0	11 1	212	3
#dePrintals	286	6767306	62 1)5 61	8(†3,118(*)

(*))AAQ\$6,000 intento, so and lo 0.8% derent ps (\$28,835040).

3.2. Mingles Temporatesyirlicatialities

In monorecontexperiments, we astricted to what degree attaining afordault to declarace against estingle fails are head to a under unbest expresentation that and be enabled the network to with stander eminate severe fatality contributions than these that described expectained of specifically. A Theorem in the involves just unenhiddent and described and yet is able defined to the laboration and the state of the specifical trial and trial an

Trained with Single Fatality								
Number of trials	500	1000	5000	10,000	30,000	100,000		
Test 1 fatality	94%	100%	100%	100%	100%	100%		
Test 2 fatalities	62%	85%	99%	100%	100%	100%		
Test 3 fatalities	30%	52%	82%	89%	95%	99%		

Howeitest by this is 'extended of and tolerance futer beachieved depends constant and the coheracter set of sude fined in an dependence in the coheracter carefulation in the coheracter is the coheracter of the coheracter carefulation in the coheracter of the coher

Weaturentenumental y-salsos investigation gather-orderode only antificially a linjueted enough which the goal to enhance shice robustness confide interpretarion and apotentially approduces extended a faultidoder-ances within a shorter training period.

4. COONCISION ON

Wendance injurated various recommiques no actalos enfaults to donate injurité cial neural networks. Retraining deceluiques courabe un recommique so a suit particular des analyses de la committe de la c

Referencies

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- [2] G. E. Hintonyandutséjnsvýskivákia i hluograning Randa Reinga im i inglianna ohtavlaudnin Marchines, a Anisahlol Distribuido de Riparada inge Epoplacia i reisseim lehen Minarskrutichard of a Coogmitión, edis. D. E. Runnelhant, J. L. McCladdaud, propried Acceptation of the Claddaud, propried Acceptation of the Acceptation of the Claddaud, propried Acceptation of the Acc