
Subject: PostScript on large paper sizes

Posted by [Andrea Spinelli](#) on Tue, 01 Apr 1997 08:00:00 GMT

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Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Hi everyone,

I am experiencing a problem with IDL when I try to print on large-size paper. What I need is printing on a A0 sheet of paper, which means 70cm x 100cm approx.

My plot is perfectly OK on a graphic window or even on PostcSript, when the paper is small. When I set the paper size to a big size, some lines go out of the plot, towards some converging point, I suppose. The problem manifests itself with filled contours or polyfill, but I am not sure it does not affect other plots.

I attach a program and an accompanying data set that demonstrate the problem, if there is someone willing to try.

thanx in advance!

-----21B8237A1B3D

Content-Type: text/plain; charset=us-ascii; name="failure.pro"

Content-Transfer-Encoding: 7bit

Content-Disposition: inline; filename="failure.pro"

pro testfailure

openr, rf, /get_lun, 'failure.txt'

comment = "

readf, rf, comment

xsize = 0L

ysize = 0L

readf, rf, xsize, ysize

a = fltarr(xsize, ysize)

readf, rf, a

```

readf, rf, comment
nxsteps = 0L
readf, rf, nxsteps
xsteps = fltarr( nxsteps )
readf, rf, xsteps

readf, rf, comment
nysteps = 0L
readf, rf, nysteps
ysteps = fltarr( nysteps )
readf, rf, ysteps

readf, rf, comment
nlevels = 0L
readf, rf, nlevels
levels = fltarr( nlevels )
readf, rf, levels

; original
; contour,          $
; ng,              $
; Contouroriginx + findgen( nnx )*nstepx-nXDelta,  $
; Contouroriginy + findgen( nny )*nstepy-nYDelta,  $
; /c_annotation,   $
; c_charsize=tara.DimensioniEtichettelsolinee, $
; c_colors=bindgen( tara.Contouring.nClassiColori) + 16B,  $
; /fill,           $
; /follow,         $
; /overplot,      $
; levels=levels

loadct, 23
contour,      $
a,           $
xsteps,      $
ysteps,      $
/c_annotation,  $
/fill,       $
/follow,     $
levels=levels

close, rf
free_lun,rf

end

```

pro test

testfailure

set_plot,'PS'

device, xsize=60, ysize=90, /portrait, /color, bits_per_pixel=8, filename='idl.ps'

testfailure

device,/close

set_plot,'WIN'

end

-----21B8237A1B3D

Content-Type: text/plain; charset=us-ascii; name="Failure.txt"

Content-Transfer-Encoding: 7bit

Content-Disposition: inline; filename="Failure.txt"

; grid

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-0.868385	-0.816154	-0.750494	-0.684856		
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-0.240185	-0.137627	-0.0412579	0.0453873	0.121199	0.183002
0.229513	0.262583	0.280935	0.282089	0.265722	0.232920
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-0.987778	-0.981216	-0.956928	-0.909195	-0.840340	-0.756142
-0.657093	-0.544769	-0.421333	-0.287859	-0.149670	-0.0149498
0.115995	0.245787	0.369513	0.478197	0.570244	0.648905
0.713060	0.757626	0.780222	0.780739	0.759414	0.717919
0.657919	0.579300	0.483002	0.373989	0.255782	0.127568
-0.00942707	-0.146865	-0.279523	-0.409519	-0.537353	-0.654686
-0.754406	-0.838169	-0.906392	-0.958921		
-0.988285	-0.976997	-0.947594	-0.895134	-0.821373	-0.730972
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0.180363	0.314631	0.443146	0.556597	0.652636	0.733229
0.797647	0.842752	0.866444	0.867661	0.846084	0.802937
0.739877	0.657760	0.558217	0.445775	0.323559	0.190723
0.0487204	-0.0942030	-0.232605	-0.367991	-0.500525	-0.623063
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-0.600887	-0.476364	-0.341568	-0.199594	-0.0540524	0.0901432
0.230967	0.368422	0.498627	0.615988	0.717369	0.799021
0.860826	0.906295	0.933530	0.935889	0.912536	0.867598
0.802601	0.718252	0.616818	0.501577	0.374907	0.238317
0.0943069	-0.0521431	-0.196271	-0.336490	-0.470045	-0.594406
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0.266325	0.405844	0.536102	0.654840	0.758749	0.842028
0.904209	0.949751	0.977283	0.980005	0.956851	0.911732
0.846037	0.760321	0.656856	0.539574	0.411138	0.273081
0.127677	-0.0212975	-0.169388	-0.313084	-0.448696	-0.575231
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-0.573723	-0.445848	-0.308645	-0.164570	-0.0163689	0.135643
0.286219	0.426247	0.554588	0.673143	0.777588	0.862787
0.927568	0.972740	0.997537	0.999770	0.978498	0.934430
0.869137	0.782898	0.677509	0.559250	0.431617	0.293784
0.147440	-0.00291920	-0.153684	-0.299749	-0.437926	-0.566419
-0.683138	-0.783405	-0.863737	-0.926592		
-0.992004	-0.973358	-0.935043	-0.872025	-0.787651	-0.687523
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0.286142	0.426350	0.555407	0.674393	0.778959	0.864589
0.929768	0.974160	0.997395	0.999067	0.978359	0.934594
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0.149516	-0.00137424	-0.152619	-0.299206	-0.438060	-0.566672
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0.265850	0.406221	0.538994	0.658693	0.762555	0.846958
0.910572	0.953964	0.976707	0.977931	0.956940	0.912780
0.845991	0.761353	0.662158	0.547767	0.419291	0.280219
0.133239	-0.0172353	-0.166497	-0.311428	-0.448930	-0.575965
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0.232258	0.370880	0.503487	0.621622	0.723081	0.806008
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0.804254	0.721361	0.624905	0.512598	0.385087	0.247173
0.102058	-0.0461535	-0.192802	-0.334785	-0.468991	-0.593093
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0.186432	0.321350	0.449476	0.562993	0.659604	0.741338
0.806058	0.848418	0.867731	0.867764	0.848766	0.807639
0.745105	0.664516	0.567962	0.456882	0.332711	0.198360
0.0575681	-0.0862579	-0.229846	-0.367883	-0.496725	-0.616374

-0.725461	-0.817960	-0.888820	-0.942289		
-0.987286	-0.980942	-0.955780	-0.905273	-0.834774	-0.751358
-0.653944	-0.540272	-0.413918	-0.280500	-0.144167	-0.00820541
0.125546	0.255507	0.377855	0.486139	0.578712	0.658672
0.723294	0.765559	0.784365	0.784089	0.765443	0.725760
0.665909	0.587900	0.493198	0.384839	0.264724	0.134835
-0.00121164	-0.139547	-0.277093	-0.408788	-0.531335	-0.645459
-0.750208	-0.838352	-0.903354	-0.951200		
-0.986156	-0.984924	-0.964924	-0.920597	-0.856615	-0.780384
-0.690880	-0.584707	-0.465494	-0.338884	-0.208595	-0.0777874
0.0509148	0.174496	0.289683	0.393445	0.484200	0.561330
0.622705	0.664620	0.685664	0.685575	0.664900	0.625350
0.567526	0.492445	0.402023	0.298238	0.182986	0.0582452
-0.0734246	-0.205659	-0.333434	-0.456115	-0.572512	-0.680334
-0.777247	-0.857473	-0.917821	-0.961167		
-0.982933	-0.987942	-0.975044	-0.937765	-0.880762	-0.811989
-0.730503	-0.632843	-0.522751	-0.404736	-0.282007	-0.157949
-0.0356636	0.0811291	0.189628	0.288205	0.375276	0.448909
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0.454671	0.382578	0.296211	0.197387	0.0880146	-0.0299222
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-0.809051	-0.880400	-0.933967	-0.971399		
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0.330966	0.261835	0.178667	0.0847292	-0.0177262	-0.127366
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-0.967854	-0.986580	-0.990196	-0.970737	-0.932129	-0.878271
-0.810986	-0.733604	-0.646336	-0.549376	-0.446341	-0.340460
-0.234255	-0.131142	-0.0344696	0.0520296	0.126421	0.189953
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0.198236	0.132922	0.0541849	-0.0335617	-0.127745	-0.228318
-0.332404	-0.437481	-0.540659	-0.639376	-0.732548	-0.815054
-0.881339	-0.931551	-0.965935	-0.986986		
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-0.854448	-0.785765	-0.707352	-0.621969	-0.531290	-0.436602
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0.0965881	0.128973	0.148468	0.151007	0.135836	0.104913
0.0589299	-0.00138998	-0.0736871	-0.153594	-0.238401	-0.329493
-0.426433	-0.523473	-0.616750	-0.705110	-0.786616	-0.857613
-0.913965	-0.953578	-0.976164	-0.985919		
-0.935169	-0.965408	-0.983540	-0.986237	-0.971907	-0.940800
-0.895151	-0.836298	-0.767475	-0.693117	-0.613966	-0.530136
-0.445029	-0.359326	-0.276278	-0.202177	-0.138470	-0.0873470
-0.0494967	-0.0205288	-0.000952244	0.00181484	-0.0132108	-0.0415416
-0.0828300	-0.137528	-0.203482	-0.275948	-0.351735	-0.433208

-0.521642	-0.608799	-0.690423	-0.766777	-0.835957	-0.895634
-0.942055	-0.971984	-0.983427	-0.982279		
-0.908752	-0.946304	-0.973598	-0.986977	-0.984087	-0.964315
-0.929781	-0.882853	-0.826088	-0.761860	-0.691721	-0.617821
-0.542897	-0.470300	-0.401307	-0.334885	-0.274706	-0.227057
-0.192434	-0.168146	-0.154282	-0.152475	-0.163723	-0.187658
-0.223685	-0.272661	-0.332826	-0.398789	-0.467692	-0.540230
-0.615566	-0.689442	-0.758372	-0.821847	-0.879066	-0.927414
-0.964256	-0.984967	-0.987371	-0.977979		
-0.874500	-0.920025	-0.957102	-0.981134	-0.989370	-0.980158
-0.956890	-0.922819	-0.879284	-0.826178	-0.765438	-0.701229
-0.636191	-0.575661	-0.519609	-0.461637	-0.406608	-0.363620
-0.332830	-0.312486	-0.302628	-0.301369	-0.309754	-0.330125
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-0.703961	-0.764444	-0.820513	-0.871482	-0.916731	-0.952974
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-0.831757	-0.885715	-0.932592	-0.967196	-0.985826	-0.986671
-0.974091	-0.953749	-0.924744	-0.884104	-0.834417	-0.780535
-0.725831	-0.673488	-0.623734	-0.575356	-0.530809	-0.494875
-0.468829	-0.450596	-0.439803	-0.437961	-0.446110	-0.465050
-0.494667	-0.533065	-0.578233	-0.628156	-0.680591	-0.732815
-0.782742	-0.830897	-0.876447	-0.916696	-0.949393	-0.972860
-0.984955	-0.982284	-0.964435	-0.937251		
-0.781963	-0.844257	-0.900352	-0.944241	-0.972824	-0.983351
-0.981310	-0.974352	-0.959581	-0.931597	-0.894119	-0.851662
-0.806906	-0.762390	-0.719073	-0.679504	-0.644512	-0.615550
-0.594149	-0.578023	-0.566903	-0.564796	-0.572463	-0.589631
-0.616740	-0.649643	-0.685800	-0.726210	-0.769333	-0.811738
-0.850680	-0.888012	-0.924049	-0.953707	-0.974225	-0.984902
-0.983999	-0.968559	-0.939661	-0.902581		
-0.726719	-0.795540	-0.859921	-0.910778	-0.946787	-0.969324
-0.980860	-0.983852	-0.978571	-0.964046	-0.941128	-0.910753
-0.876205	-0.840930	-0.806628	-0.774793	-0.746487	-0.722230
-0.703203	-0.690482	-0.683966	-0.682946	-0.688166	-0.701614
-0.723053	-0.749231	-0.778149	-0.809783	-0.843022	-0.875836
-0.906759	-0.935398	-0.960625	-0.979048	-0.987656	-0.986813
-0.975392	-0.950114	-0.910123	-0.864973		
-0.660057	-0.734283	-0.808151	-0.865675	-0.909767	-0.943787
-0.967896	-0.980139	-0.983593	-0.980923	-0.971870	-0.953277
-0.929627	-0.904672	-0.879983	-0.855395	-0.832615	-0.812427
-0.796137	-0.787044	-0.784888	-0.785023	-0.787702	-0.796922
-0.812308	-0.831744	-0.853574	-0.877350	-0.901525	-0.925399
-0.948098	-0.967613	-0.981741	-0.989181	-0.985867	-0.974244
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-0.579395	-0.659605	-0.741297	-0.809629	-0.864002	-0.907822
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-0.964661	-0.950576	-0.935112	-0.917329	-0.899113	-0.884203
-0.873765	-0.867465	-0.864769	-0.864890	-0.867828	-0.874115

-0.883635	-0.896527	-0.912057	-0.928818	-0.945493	-0.960910
-0.973753	-0.982389	-0.985059	-0.980647	-0.967806	-0.945935
-0.913432	-0.866782	-0.806073	-0.746832		
-0.502365	-0.587391	-0.675287	-0.750715	-0.813417	-0.865536
-0.907024	-0.937693	-0.959169	-0.974319	-0.983068	-0.986320
-0.984778	-0.980579	-0.973954	-0.962607	-0.949009	-0.939573
-0.934922	-0.930768	-0.926952	-0.926634	-0.929930	-0.934081
-0.938732	-0.945994	-0.955864	-0.966271	-0.975982	-0.983283
-0.986440	-0.984600	-0.976456	-0.961426	-0.939945	-0.908944
-0.867068	-0.812024	-0.744685	-0.680241		

; x steps

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578688.00	581438.00	584188.00	586938.00
589688.00	592438.00	595188.00	597938.00
600688.00	603438.00	606188.00	608938.00
611688.00	614438.00	617188.00	619938.00
622688.00	625438.00	628188.00	630938.00
633688.00	636438.00	639188.00	641938.00
644688.00	647438.00	650188.00	652938.00
655688.00	658438.00	661188.00	663938.00
666688.00	669438.00	672188.00	674938.00
677688.00	680438.00	683188.00	685938.00

; y steps

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4680535.0	4682285.0	4684035.0	4685785.0
4687535.0	4689285.0	4691035.0	4692785.0
4694535.0	4696285.0	4698035.0	4699785.0
4701535.0	4703285.0	4705035.0	4706785.0
4708535.0	4710285.0	4712035.0	4713785.0
4715535.0	4717285.0	4719035.0	4720785.0
4722535.0	4724285.0	4726035.0	4727785.0
4729535.0	4731285.0	4733035.0	4734785.0
4736535.0	4738285.0	4740035.0	4741785.0
4743535.0	4745285.0	4747035.0	4748785.0

; levels

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-0.997961	-0.931299	-0.864637	-0.797975	-0.731313	-0.664651
-0.597989	-0.531327	-0.464665	-0.398003	-0.331341	-0.264679
-0.198017	-0.131355	-0.0646925	0.00196958	0.0686316	0.135294
0.201956	0.268618	0.335280	0.401942	0.468604	0.535266
0.601928	0.668590	0.735252	0.801914	0.868576	0.935238

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