

# L<sup>A</sup>T<sub>E</sub>X document demonstrating use of longtable

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Table 1: Single page Table - in Portrait mode. The data are taken from Sinha & Holley-Bockelmann 2009, MNRAS, 397, 190

Gas	Merger Type	b	Eccentricity	Orbital Energy	Primary Vel.	Secondary Vel.
-	-	[kpc]	-	[10 <sup>56</sup> erg]	[km/s]	[km/s]
1% gas	1:1	2.3	2.99	2864.6	137.8	137.8
	1:1	22.8	2.95	2864.6	137.8	137.8
	1:1	114.3	2.78	2864.6	137.8	137.8
	1:1	2.3	0.06	-1432.3	68.9	68.9
	1:1	22.8	0.18	-1432.3	68.9	68.9
	1:1	114.3	0.41	-1432.3	68.9	68.9
	3:1	1.9	0.06	-542.0	29.5	92.2
	3:1	19.4	0.20	-542.0	29.5	92.2
	3:1	96.8	0.44	-542.0	29.5	92.2
	10:1	1.7	0.07	-188.5	10.5	108.9
	10:1	16.7	0.21	-188.5	10.5	108.9
	10:1	83.7	0.48	-188.5	10.5	108.9
10% gas	1:1	2.3	2.99	3397.9	143.9	143.9
	1:1	22.8	2.95	3397.9	143.9	143.9
	1:1	114.3	2.78	3397.9	143.9	143.9
	1:1	2.3	0.05	-1698.9	71.9	71.9
	1:1	22.8	0.18	-1698.9	71.9	71.9
	1:1	114.3	0.41	-1698.9	71.9	71.9
	3:1	1.9	0.06	-642.9	30.8	96.3
	3:1	19.4	0.20	-642.9	30.8	96.3
	3:1	96.8	0.44	-642.9	30.8	96.3
	10:1	1.7	0.07	-223.6	10.9	113.6
	10:1	16.7	0.21	-223.6	10.9	113.6
	10:1	83.7	0.48	-223.6	10.9	113.6
18% gas	1:1	2.3	2.99	3910.1	149.0	149.0
	1:1	22.8	2.95	3910.1	149.0	149.0
	1:1	114.3	2.78	3910.1	149.0	149.0
	1:1	2.3	0.05	-1955.1	74.5	74.5
	1:1	22.8	0.18	-1955.1	74.5	74.5
	1:1	114.3	0.41	-1955.1	74.5	74.5
	3:1	1.9	0.06	-739.8	31.9	99.7
	3:1	19.4	0.20	-739.8	31.9	99.7
	3:1	96.8	0.44	-739.8	31.9	99.7
	10:1	1.7	0.07	-257.3	11.3	117.6
	10:1	16.7	0.21	-257.3	11.3	117.6
	10:1	83.7	0.48	-257.3	11.3	117.6

Table 2: Landscape multiple page table. The data are taken from Sinha & Holley-Bockelmann 2009, MNRAS, 397, 190 but some rows are replicated to make a multiple page table.

Gas Content	Peak $L_X$ <sup>†</sup> [ $10^{40}$ erg/s]	Peak Shock $L_X$ <sup>†</sup> [ $10^{38}$ erg/s]	Unb. gas mass [ $10^{10} M_\odot$ ]	Total unb. mass [ $10^{10} M_\odot$ ]	Hot Gas [%]	$R_{vir}$ [kpc]	Gas within $R_{vir}$ [%]	DM within $R_{vir}$ [%]	Remnant $L_X$ [ $10^{40}$ erg/s]
	0.82	0.25	0.57	44.9	51.0	—	—	—	0.03
	0.54	0.09	0.56	17.5	55.2	—	—	—	0.04
	0.27	0.005	0.35	9.3	71.8	—	—	—	0.1
	1.17	0.19	0.29	2.03	80.2	248.1	58.1	58.4	0.13
	0.81	0.15	0.27	1.95	82.1	247.6	59.1	57.8	0.11
	0.42	0.03	0.27	2.6	84.8	246.3	55.2	56.7	0.09
	0.50	0.08	0.14	3.6	84.2	224.4	62.9	65.1	0.07
	0.40	0.04	0.12	2.5	84.6	224.4	62.0	65.2	0.07
	0.42	0.03	0.27	2.6	84.8	246.3	55.2	56.7	0.09
	0.50	0.08	0.14	3.6	84.2	224.4	62.9	65.1	0.07
	0.40	0.04	0.12	2.5	84.6	224.4	62.0	65.2	0.07
	0.20	0.009	0.09	2.9	83.6	222.1	56.8	63.0	0.07
	0.23	0.004	0.03	2.0	90.7	218.9	68.4	72.8	0.07
	0.19	0.008	0.02	1.4	90.3	218.4	67.4	72.1	0.07
	0.13	0.001	0.03	1.6	85.6	218.4	64.4	72.3	0.08
	90.5	14.4	7.4	33.9	52.6	217.5	25.5	39.1	3.0
	41.7	6.0	6.1	24.5	52.9	—	—	—	3.3
	23.1	0.5	5.1	12.9	50.3	—	—	—	9.0
	79.3	18.7	3.05	4.36	79.4	251.3	53.8	60.4	12.5
	71.9	10.2	2.84	4.16	80.9	248.6	53.3	58.3	9.5
	34.5	1.7	2.06	3.86	83.3	246.7	49.8	57.1	8.1
	44.0	7.6	1.4	4.2	82.2	224.4	56.0	64.9	6.2
	36.0	3.4	1.2	3.3	83.6	225.3	55.3	65.8	6.8
	34.5	1.7	2.06	3.86	83.3	246.7	49.8	57.1	8.1
	44.0	7.6	1.4	4.2	82.2	224.4	56.0	64.9	6.2
	36.0	3.4	1.2	3.3	83.6	225.3	55.3	65.8	6.8
	18.9	0.4	0.84	2.8	84.3	223.9	52.2	64.6	5.6
	26.5	0.4	0.22	2.0	85.2	216.6	58.7	70.4	5.5
	16.4	0.2	0.22	1.4	88.4	217.1	57.7	71.0	5.8
	11.2	0.1	0.23	1.6	84.5	215.7	55.1	69.7	6.4

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Table 2 – Continued

Gas Content	Peak L <sub>X</sub> [10 <sup>40</sup> erg/s]	Peak Shock L <sub>X</sub> [10 <sup>38</sup> erg/s]	Unb. gas mass [10 <sup>10</sup> M <sub>⊙</sub> ]	Total unb. mass [10 <sup>10</sup> M <sub>⊙</sub> ]	Hot Gas [%]	R <sub>vir</sub> [kpc]	Gas within R <sub>vir</sub> [%]	DM within R <sub>vir</sub> [%]	Remnant L <sub>X</sub> [10 <sup>40</sup> erg/s]
–	228.2	59.7	11.9	39.4	47.8	223.0	29.1	42.3	10.8
	153.2	26.2	9.7	36.2	55.5	–	–	–	10.3
	78.7	1.8	6.4	14.7	70.8	–	–	–	27.6
	268.3	30.7	5.0	6.1	81.9	250.4	58.2	59.7	44.0
	227.4	26.3	4.7	5.8	83.1	251.8	57.8	60.6	35.0
	113.1	7.1	3.4	4.9	85.9	248.6	54.0	58.3	28.2
	193.5	20.8	2.3	4.7	85.6	224.8	59.5	65.3	22.2
	108.4	14.2	2.1	3.9	86.2	224.4	58.5	65.2	23.2
	113.1	7.1	3.4	4.9	85.9	248.6	54.0	58.3	28.2
	193.5	20.8	2.3	4.7	86.2	224.8	59.5	65.3	22.2
	108.4	14.2	2.1	3.9	86.2	224.4	58.5	65.2	23.2
	61.8	1.8	1.6	3.9	86.7	223.9	54.6	64.6	19.6
	84.5	3.5	0.39	1.9	91.6	218.4	62.6	72.2	18.4
	54.8	1.7	0.38	1.6	90.8	216.6	60.7	70.4	19.3
	35.8	0.3	0.45	2.8	89.1	217.5	58.7	71.5	21.4

18%  
gas<sup>†</sup>L<sub>X</sub> is calculated by using only the particles that have  $T_{\text{gas}} > 10^{5.2}$  K and  $\rho < 0.01$  M<sub>⊙</sub>/pc<sup>-3</sup>.<sup>‡</sup>Shock L<sub>X</sub> is obtained by adding the L<sub>X</sub> for the particles that exceed a threshold for  $\frac{dL}{dt}$ . The threshold, in code units, is  $10^{10}$ ,  $3 \times 10^9$  and  $2 \times 10^9$  for 1%, 10% and 18% gas fractions.

# 1 Improvements

If you have any suggestions for improving this document, please send them to me at [manodeep@gmail.com](mailto:manodeep@gmail.com)