Galaxy Dala.py

303

galaxy_data.dat

#Galaxy #Name

NGC3627 NGC3982 NGC4496A NGC4527 NGC4536 NGC4639 NGC5253 IC4182

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Vree	this galaxy			
ta.dat)		
		V		
Recession	A_{V,MW}	dec.	Ho	
Velocity (km/s)	(mag)	1	,	
427	0.0992)	
1510	0.0434)	/	
1152	0.0775			
1152	0.0682		1	
1152	0.0558		/	
1152	0.0806		f	
170	0.1736			

Average of dpc, for each cepheid in

MW Cepheids. P3 MW_Cepheids.dat

#Object pa # [ma		err(p	ear) Period [days]	m_V [mag]	m_I [mag]	A_V [mag]	err(A_V) [mag]
l-Car	2.01	0.20	35.551341	3.732	2.557	0.52	0.06
zeta-Gem	2.78	0.18	10.15073	3.911	3.085	0.06	0.03
beta-Dor	3.14	0.16	9.842425	3.751	2.943	0.25	0.05
W-Sgr	2.28	0.20	7.594904	4.667	3.862	0.37	0.03
X-Sgr	3.00	0.18	7.012877	4.556	3.661	0.58	0.1
Y-Sgr	2.13	0.29	5.77338	5.743	4.814	0.67	0.04
delta-Cep	3.66	0.15	5.36627	3.960	3.204	0.23	0.03
FF-Aql	2.81	0.18	4.470916	5.372	4.510	0.64	0.06
T-Vul	1.90	0.23	4.435462	5.752	5.052	0.34	0.06
RT-Aur	2.40	0.19	3.72819	5.464	4.778	0.20	0.08

0.0434

GalCepheids, py hst_gall_cephids.dat

1						
#NGC 3627						
#Name	logP	m_V	m_I			
C2-V4		24.55	23.53			
C2-V8		24.87	24.05			
C2-V1	1.342	24.71	24.23			
C2-V12		25.03	24.05			
C2-V13		25.83	24.99			
C2-V15		25.71	24.70			
C2-V17		24.24	23.20			
C2-V19		24.80	23.86			
C2-V20		24.84	24.03			
C2-V22		25.19	24.48			
C2-V29		25.58	24.61			
C2-V32		25.29	24.26			
C2-V33		24.64	23.68			
C2-V34	1.681	24.35	23.28			
C2-V35	1.452	25.24	24.35			
C3-V1	1.288	25.77	24.98			
C3-V3	1.477	24.99	23.98			
C3-V4	1.431	25.22	24.35			
C3-V5	1.288	25.01	24.32			
C3-V6	1.342	25.14	24.24			
Ç3-V8	1.288	25.38	24.38			
C3-V10	1.613	24.21	23.35			
C4-V2	1.272	25.76	25.17			
C4-V4	1.415	25.42	24.76			
C4-V6	1.283	25.47	24.58			

Mex dpc = fr (Mex, mex, A- Ev, mv3)

calculate Transport