

[GC24] Early-type Galaxies Seen with SDSS/GALEX: Properties and
Scaling Relations of Recently Star-forming Galaxies

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GALEX is performing the first massive survey of the UV properties of galaxies beyond the Local Group. New GALEX observations have revealed enhanced UV emission from an unexpectedly large fraction of SDSS early-type galaxies in the local ($0 < z < 0.3$) universe. This is generally taken as evidence of recent star formation (RSF) activities. Here we have examined the physical characteristics of such activities and carried out a full census of RSF galaxies of different local density, redshift, and brightness. Various scaling relations of RSF early-types are also investigated and compared to those of the quiescent counterparts. This work was supported by the Korea Research Foundation Grant funded by the Korean Government (KRF-2006-331-C00134).