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canonical localizing system

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Defines	localizing subcategory

**Definition 0.1.** Let  $R$  be a ring. The *canonical localizing system*  $S_{cl}$  on  $R$  is defined as the strongest localizing system  $F$  on  $R$ , such that  $R$  is  $F$ -closed.

Note that there is a localizing subcategory  $\mathcal{F}$  that contains all strongest localizing systems  $F$ .