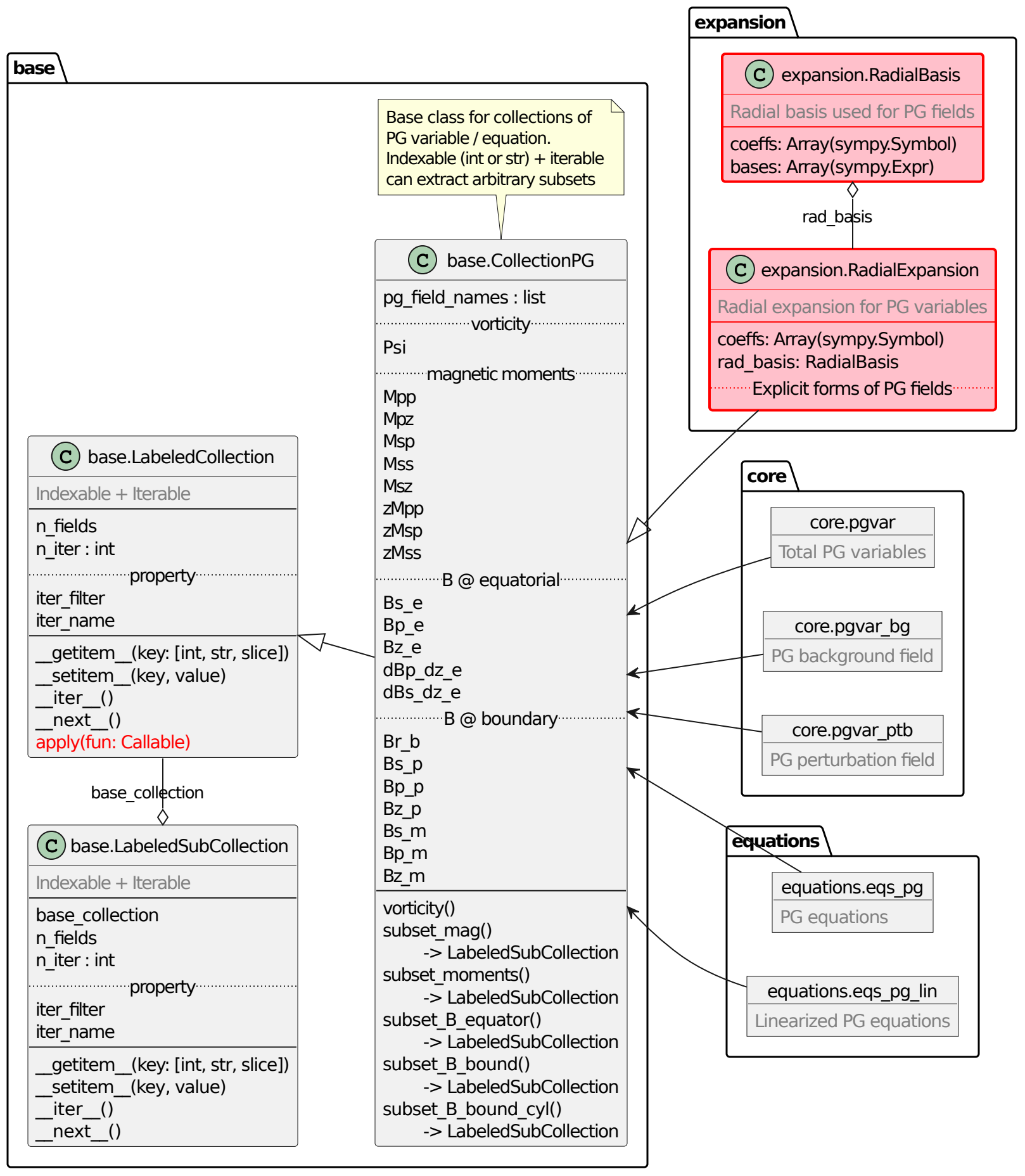
base
Base class for collections of
PG variable / equation.
Indexable (int or str) + iterable
can extract arbitrary subsets
base.CollectionPG
pg_field_names : list
vorticity
Psi
magnetic moments
Mpp
Mpz
Msp
Mss
Msz
zMpp
zMsp
zMss
B @ equatorial
Bs_e
Bp_e
Bz_e
dBp_dz_e
dBs_dz_e
B @ boundary
Br_b
Bs_p
Bp_p
Bz_p
Bs_m
Bp_m
Bz_m
vorticity()
subset_mag()
-> LabeledSubCollection
subset_moments()
-> LabeledSubCollection
subset_B_equator()
-> LabeledSubCollection
subset_B_bound()
-> LabeledSubCollection
subset_B_bound_cyl()
-> LabeledSubCollection
base.LabeledCollection
Indexable + Iterable
n_fields
n_iter : int
property
iter_filter
iter_name
__getitem__(key: [int, str, slice])
__setitem__(key, value)
__iter__()
__next__()
apply(fun: Callable)
base_collection
base.LabeledSubCollection
Indexable + Iterable
base_collection
n_fields
n_iter : int
property
iter_filter
iter_name
__getitem__(key: [int, str, slice])
__setitem__(key, value)
__iter__()
__next__()
expansion
expansion.RadialBasis
Radial basis used for PG fields
coeffs: Array(sympy.Symbol)
bases: Array(sympy.Expr)
rad_basis
expansion.RadialExpansion
Radial expansion for PG variables
coeffs: Array(sympy.Symbol)
rad_basis: RadialBasis
Explicit forms of PG fields
core
core.pgvar
Total PG variables
core.pgvar_bg
PG background field
core.pgvar_ptb
PG perturbation field
equations
equations.eqs_pg
PG equations
equations.eqs_pg_lin
Linearized PG equations