Locality
future

`global` < `local`

- `local` SAFETY: will not outlive its region, may be stack allocated
- `local` REQUIREMENT: do not escape region
- `local` parameter isn't a requirement, it's a behavior guarantee
- `global` function can't capture `local` values
- No heap to stack pointer
- XING: Applies only to non immediate data

Uniqueness
past

`unique` < `aliased`

- `unique` LINEAGE: has not been aliased
- `unique` ENTITLEMENT: may be overwritten
- XING: Applies only to mutable and mutable containing data

Affinity
future

`many` < `once`

- `once` SAFETY: function will not create an alias
- `once` REQUIREMENT: zero or one call allowed
- `many` function can't capture `unique` values
- Function capturing `unique` is `once`
- XING: Applies only to functions and function containers

Contention
past

`uncontended` < `shared` < `contended`

- Non `contended` LINEAGE: value retains access lock
- ENTITLEMENT:
  - `uncontended`: may be read or written
  - `share`: may only be read
- XING: Applies only to mutable and mutable containing data

Portability
future

`portable` < `nonportable`

- `nonportable` SAFETY: function will not break captured non `contended` lineage
- `nonportable` REQUIREMENT: ...
- `portable` function can't capture non `contended` value
- Function capturing non `contended` is `nonportable`
- XING: Applies only to functions and function containers

Yielding
future

`unyielding` < `yielding`

- `yielding` SAFETY: function will not perform effect handled in parent stack
- `yielding` REQUIREMENT: ...
- XING: Applies only to functions and function containers

Visibility
past

`read_write` < `read` < `immutable`

- Non `immutable` LINEAGE: value ...
- ENTITLEMENT:
  - `read_write`: may be read or written
  - `read`: may only be read
- XING: Applies only to mutable and mutable containing data

Statefulness
future

`stateless` < `observing` < `stateful`

- SAFETY:
  - `observing`: will not W on captured `read_write` data
  - `stateful`: will not read or write over captured non `immutable` data
- REQUIREMENT:
  - `observing`: no write
  - `stateful`: value ...
- XING: Applies only to functions and function containers