

Tests that specialization is working correctly:

- Dispatch
 - [On methods](#), includes:
 - Specialization via adding a trait bound
 - Including both remote and local traits
 - Specialization via pure structure (e.g. `(T, U)` vs `(T, T)`)
 - Specialization via concrete types vs unknown types
 - In top level of the trait reference
 - Embedded within another type (`Vec<T>` vs `Vec<i32>`)
 - [Specialization based on super trait relationships](#)
 - [On assoc fns](#)
 - [Ensure that impl order doesn't matter](#)
- Item inheritance
 - [Correct default cascading for methods](#)
 - Inheritance works across impls with varying generics
 - [With projections](#)
 - [With projections that involve input types](#)
- Normalization issues
 - [Non-default assoc types can be projected](#)
 - Including non-specialized cases
 - Including specialized cases
 - [Specialized Impls can happen on projections](#)
 - [Projections and aliases play well together](#)
 - [Projections involving specialization allowed in the trait ref for impls, and overlap can still be determined](#)
 - Only works for the simple case where the most specialized impl directly provides a non-`default` associated type
- Across crates
 - [For traits defined in upstream crate](#)
 - [Full method dispatch tests, drawing from upstream crate](#)
 - Including *additional* local specializations
 - [Full method dispatch tests, without turning on specialization in local crate](#)
 - [Test that defaults cascade correctly from upstream crates](#)
 - Including *additional* local use of defaults