```r
# Find the eigenvalue dispersions for a given matrix
.dispersion_matrix <- function(P, pairs, norm_order, singular, pow_norm, digits = 4){
  # Get the ordered spectrum of the matrix
  eigenvalues <- spectrum(P, norm_order = norm_order, singular = singular)
  # Generate norm function to pass along as argument (Euclidean or Beta norm)
  norm_fn <- function(x){ (abs(x))^pow_norm }
  # Compute and return the dispersion
  map2_dfr(pairs[["i"]], pairs[["j"]], .resolve_dispersion, eigenvalues, norm_fn, digits)
}
```