```
aftd <- function(D)
{
    D = data.matrix(D);
    D2 = D * D;
    n = dim(D2)[1];
    Qn = diag(n) - 1/n * matrix(1,n,n) ;

    W = -1/2 * Qn %*% D2 %*% Qn;
    Wn = 1 / n * W;

    eig = eigen(Wn);
    val = abs(eig$values);

    l = diag(val);
    v = sqrt(n) * eig$vectors;
    c = v %*% sqrt(l);

    plot(c);
    ret <- list(L=l, V=v, C=c);
}
```