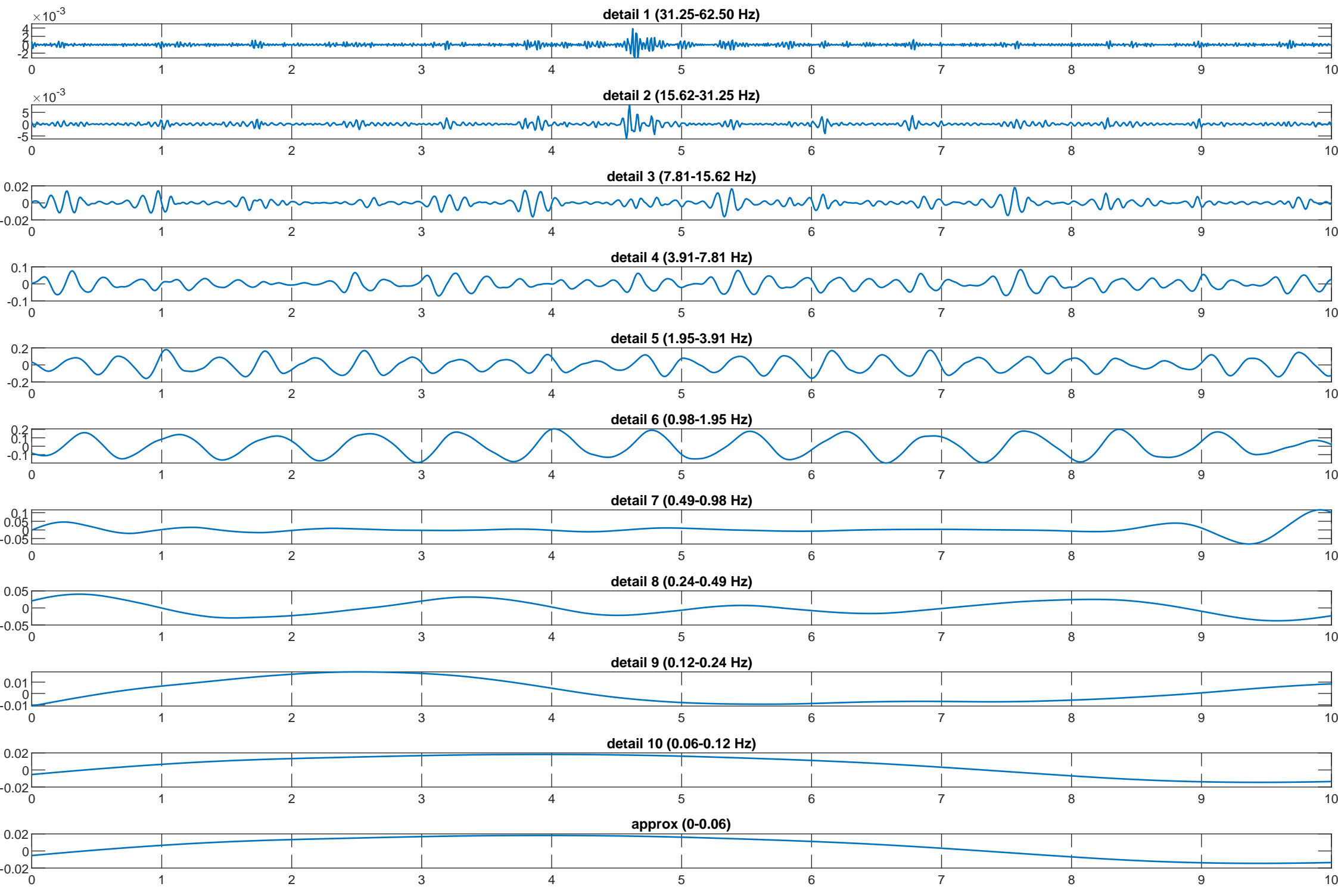Projections of PPG signal onto detail and approximation subspaces