

and preserve Poincaré scalar products.

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One can prove even more, namely, the above map defines indeed an injection into

$$H_{k-1/2}^D(\quad) = \{ h \in H_{k-1/2}(P_0(\quad), X) \mid h = \sum_{N \in -D \text{ div}} c(N) \varphi^N \}$$

This map is surjective if F^2/m .