Optimed Junport and meter Rohnell Epons.

orfosper.

Amble define W'2(x). m/o denktin Princeni.

Upper sumi-che Mage: The physical trips chartes

|Pf|(n) = lon upwho $y, z \in B_r(x) = \frac{|f(z) - f(y)|}{d(z,y)}$ le hysolitz

H1,2 (x,d,m) = }fel2(x,m): Ifnehip(x), h > tel2(x,m),

[10,4,7,4,m]

Cheerer energy: b(f)= mf {timm } I 10 kn/dm: fn elip(x), fn > f e 12 (m) }

If f realises errors, define $4n|Df|_{x}$ as $lin = 10f|_{x}^{2} ds$.

Then, can now $6(f) = \int_{x} 10f|_{x}^{2} dm \cdot f f \in H^{1/2}$; $+\infty$ otherwise.

2 hom-breeze, l.s.c.

More importantly Nontonian Gross.

Mayor Graham. Boul G: X -> [6, 207.

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Mar: Mly only deput on length make of d. Se, de(n, n)= mf {e(n)} > d(n, n). dres by affect. Mg. Nowhmin Space: N'12(x,d,m):= { f=x->R: . Ix 1812dm 20, FORG. of f wirt. fx Godin coo. 11811 no = inf & SIFI + SG : = = GENGLEIS. but independent of negligible modifications of f. Ingeledes lenne. Gn -> g much ; the In(h) entreprin. Ganlar og stord-are. 8. an EnG(+), on y weak upper good. J fork / F. Ed * Modules of a findly of inves.

Mod (TT) = inf } (g 2 1 (g > 1. Nr E TT) }
helms like man.