

Thormany prince ynabiletius government when the Color of eiwt = coscwt1 + isin(wt1, rge i= J-1 Bocnausyeurer generyeloù Finegra: April B'-W's a penierue ne anuesibaem karedanus Karedanux radirogaromas, ecun Bi- Wor 50 Bregen obstructure w= wo-Bi => Jpi-ivi = J-w= iw temerine qualitient njumem bug! x = e - st ( C, e w + C, e w) = e - st ( C, cos(w+) + (isin(w+1+ C, cos(-w+) + C, isin(-w+)) = = e-Bf (Crosw++ Crosw++ Crisinw+ - Crisinw+)= = e-st( (Ce+Ce)coswt-i(Ce-Ce)sinwt) Dameria: C++Cz = A.costo X(4) = e-B+ (A. cosw+cosq- Assinw+ sing) = A. e-B+ (05(w++Po) i ((= (=) = A sinfo A. t. zabrierem em rearententes yendenni: X(t=0)= Xo, T+ (t=0)= Vo XIET = A. e Cosiwtelle) Оно описывает съзбъдные колебания с одинешнеской частотой и, затуханицие с течници учини Уменическая чостьта затухальщих канебаний w= /w; -B2 Tepuog zamyssarougus kaiesanin  $T = \frac{2\pi}{w} = \frac{2\pi}{\sqrt{w_0^2 - \beta^2}}$ turnumyga zamyzarouzuz novedenui A=A0e-B+