Glossary

f_{ck} = Characteristic compressive strength of concrete in N/mm^2

f_y = Characteristic tensile strength of steel in N/mm^2

Y_m = partial safety factor

Partial safety factor for Concrete γ_m : 1.5

Partial safety factor for steel γ_m : 1.15

M_u = Ultimate bending moment

M_{ulim} = Limiting moment of resistance

A_{st} = Area of tensile steel

x_u = actual depth of neutral axis

$x_{u,lim}$ = limiting value of depth of neutral axis

b = breadth of beam

d = effective depth of beam

D = overall depth of beam