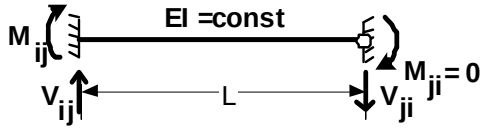
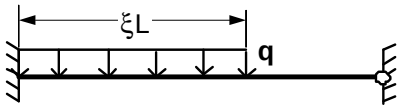
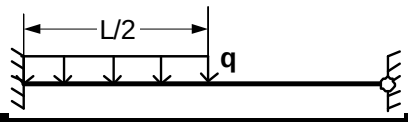
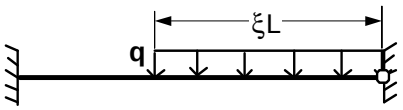
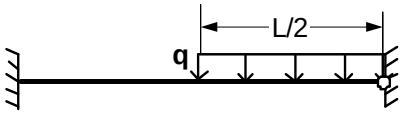
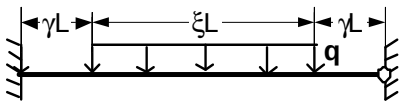
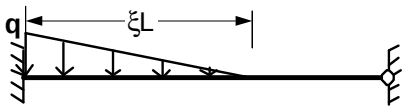
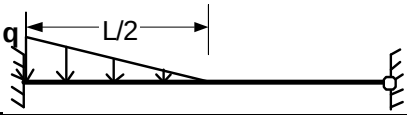
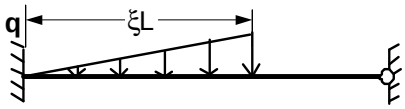
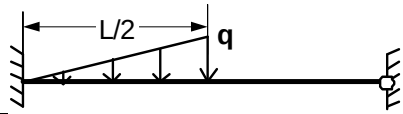
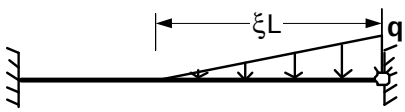
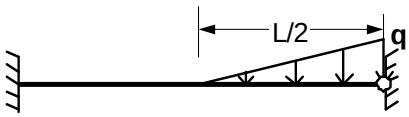
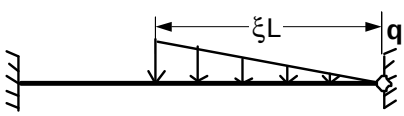
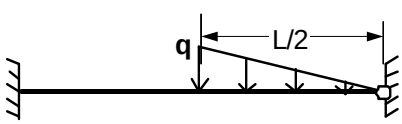
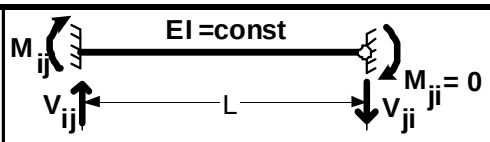
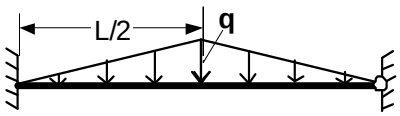
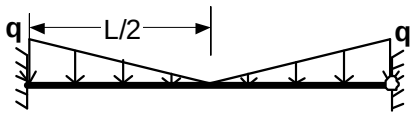
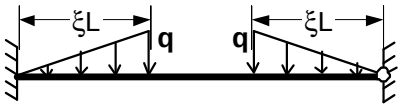
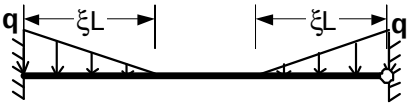
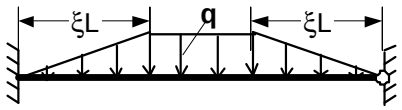
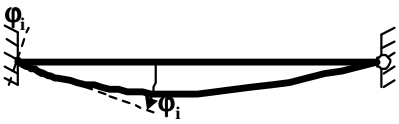
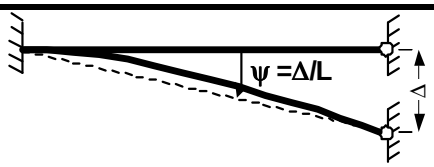
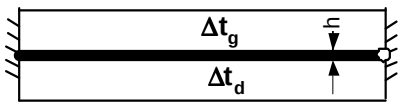
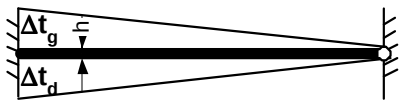
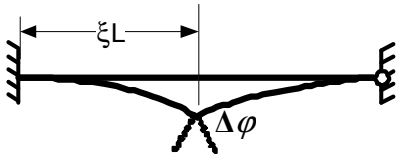
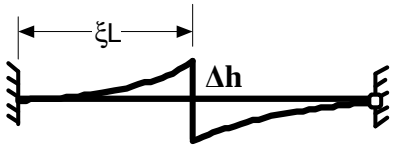
MOMENTY I SIŁY BRZEGOWE
PRĘT LEWOSTRONNIE UTWIERDZONY
PRAWOSTRONNIE PODPARTY PRZEGUBOWO

M_{ij} V_{ij}	EI =const M_{ij} $M_{ji}=0$ V_{ij} L V_{ji}	V_{ji}
$M_{ij}=-FL\xi(1-\xi)(1-\xi/2)$ $V_{ij}=F(1-\xi)(1+\xi-\xi^2/2)$	ξL F	$V_{ji}=-F\xi^2(3-\xi)/2$
$M_{ij}=-3FL/16$ $V_{ij}=11F/16$	L/2 F L/2	$V_{ji}=-5F/16$
$M_{ij}=-3FL\xi(1-\xi)/2$ $V_{ij}=F(3\xi(1-\xi)/2+1)$	ξL F F ξL	$V_{ji}=F(3\xi(1-\xi)/2-1)$
$M_{ij}=-FL(n-1/n)/8$ $V_{ij}=F(5n-1/n-4)/8$	L/n F L/n F L/n F L/n	$V_{ji}=-F(3n+1/n-4)/8$
$M_{ij}=-FL(n+0.5/n)/8$ $V_{ij}=F(5n+0.5/n)/8$	L/2n F L/n F L/n F L/n F L/2n	$V_{ji}=-F(3n-0.5/n)/8$
$M_{ij}=FL\xi(1-\xi^2)/8$ $V_{ij}=-F\xi(9-\xi^2)/8$	ξL F F ξL	$V_{ji}=-F\xi(9-\xi^2)/8$
$M_{ij}=M(-1+3\xi-3\xi^2/2)$ $V_{ij}=-3M\cdot\xi(1-\xi/2)/L$	ξL M	$V_{ji}=-3M\cdot\xi(1-\xi/2)/L$
$M_{ij}=M/8$ $V_{ij}=-(9/8)M/L$	L/2 M L/2	$V_{ji}=-(9/8)M/L$
$M_{ij}=M/2$ $V_{ij}=-1.5M/L$	M	$V_{ji}=-1.5M/L$
$M_{ij}=-(8q_1+7q_2)L^2/120$ $V_{ij}=(16q_1+9q_2)L/40$	q_1 q_2	$V_{ji}=-(4q_1+11q_2)L/40$
$M_{ij}=-qL^2/8$ $V_{ij}=5qL/8$	q	$V_{ji}=-3qL/8$
$M_{ij}=-qL^2/15$ $V_{ij}=2qL/5$	q	$V_{ji}=-qL/10$
$M_{ij}=-7qL^2/120$ $V_{ij}=9qL/40$	q	$V_{ji}=-11qL/40$

M_{ij} Vij		V_{ji}
$M_{ij} = -qL^2\xi^2(2-\xi)^2/8$ $V_{ij} = qL\xi[1-\xi^2(1-\xi/4)/2]$		$V_{ji} = -qL\xi^3(1-\xi/2)/2$
$M_{ij} = -9qL^2/128$ $V_{ij} = 57qL/128$		$V_{ji} = -7qL/128$
$M_{ij} = -qL^2\xi^2(2-\xi^2)/8$ $V_{ij} = qL\xi^2(6-\xi^2)/8$		$V_{ji} = -qL\xi[1-\xi(6-\xi^2)/8]$
$M_{ij} = -7qL^2/128$ $V_{ij} = 23qL/128$		$V_{ji} = -41qL/128$
$M_{ij} = -qL^2\xi(3-\xi^2)/16$ $V_{ij} = qL\xi(11-\xi^2)/16$		$V_{ji} = -qL\xi(5+\xi^2)/16$
$M_{ij} = -qL^2\xi^2[20-3\xi(5-\xi)]/120$ $V_{ij} = qL\xi[1/2-\xi^2(5-\xi)/40]$		$V_{ji} = -qL\xi^3(5-\xi)/40$
$M_{ij} = -53qL^2/1720$ $V_{ij} = 151qL/640$		$V_{ji} = -9qL/640$
$M_{ij} = -qL^2\xi^2[40-3\xi(15-4\xi)]/120$ $V_{ij} = qL\xi[1/2-\xi^2(15-4\xi)/40]$		$V_{ji} = -qL\xi^3(15-4\xi)/40$
$M_{ij} = -41qL^2/960$ $V_{ij} = 67qL/320$		$V_{ji} = -13qL/320$
$M_{ij} = -qL^2\xi^2(10-3\xi^2)/120$ $V_{ij} = -qL\xi^2(10-\xi^2)/40$		$V_{ji} = -qL\xi[1/2-\xi(10-\xi^2)/40]$
$M_{ij} = -17qL^2/960$ $V_{ij} = 39qL/640$		$V_{ji} = -121qL/640$
$M_{ij} = -qL^2\xi^2(5-3\xi^2)/30$ $V_{ij} = -qL\xi^2(5-\xi^2)/10$		$V_{ji} = -qL\xi[1/2-\xi(5-\xi^2)/10]$
$M_{ij} = -17qL^2/480$ $V_{ij} = 19qL/160$		$V_{ji} = -21qL/160$

M_{ij} Vij		V_{ji}
$M_{ij} = -5qL^2/64$ $V_{ij} = 21qL/64$		$V_{ji} = -11qL/64$
$M_{ij} = -3qL^2/64$ $V_{ij} = 19qL/64$		$V_{ji} = -13qL/64$
$M_{ij} = -qL^2\xi^2(4-3\xi)/8$ $V_{ij} = -qL\xi[4+\xi(4-3\xi)]/8$		$V_{ji} = -qL\xi[4-\xi(4-3\xi)]/8$
$M_{ij} = -qL^2\xi^2(2-\xi)/8$ $V_{ij} = qL[1/2+\xi(2-\xi)/8]$		$V_{ji} = -qL\xi[1/2-\xi(2-\xi)/8]$
$M_{ij} = -qL^2[1-\xi^2(2-\xi)]/8$ $V_{ij} = qL[5-4\xi-\xi^2(4-\xi)]/8$		$V_{ji} = -qL[8-4\xi+\xi^2(2-\xi)]/8$
$M_{ij} = 3EI\varphi_i/L$ $V_{ij} = -3EI\varphi_i/L^2$		$V_{ji} = -3EI\varphi_i/L^2$
$M_{ij} = -3EI\psi/L$ $V_{ij} = 3EI\psi/L^2$		$V_{ji} = 3EI\psi/L^2$
$M_{ij} = -1.5EI\alpha_T(\Delta t_d - \Delta t_g)/h$ $V_{ij} = 1.5EI\alpha_T(\Delta t_d - \Delta t_g)/(Lh)$		$V_{ji} = 1.5EI\alpha_T(\Delta t_d - \Delta t_g)/(Lh)$
$M_{ij} = -EI\alpha_T(\Delta t_d - \Delta t_g)/h$ $V_{ij} = EI\alpha_T(\Delta t_d - \Delta t_g)/(Lh)$		$V_{ji} = EI\alpha_T(\Delta t_d - \Delta t_g)/(Lh)$
$M_{ij} = -0.5EI\alpha_T(\Delta t_d - \Delta t_g)/h$ $V_{ij} = 0.5EI\alpha_T(\Delta t_d - \Delta t_g)/(Lh)$		$V_{ji} = 0.5EI\alpha_T(\Delta t_d - \Delta t_g)/(Lh)$
$M_{ij} = -3\frac{EI}{L}\cdot(1-\xi)\cdot\Delta\varphi$ $V_{ij} = 3\frac{EI}{L^2}\cdot(1-\xi)\cdot\Delta\varphi$		$V_{ji} = 3\frac{EI}{L^2}\cdot(1-\xi)\cdot\Delta\varphi$
$M_{ij} = 3\frac{EI}{L^2}\cdot\Delta h$ $V_{ij} = -3\frac{EI}{L^3}\cdot\Delta h$		$V_{ji} = -3\frac{EI}{L^3}\cdot\Delta h$