PWM Class

- ## PwmOut Class

Public Member Functions		
	PwmOut (PinName pin)	
	Create a PwmOut connected to the specified pin. More...	
	PwmOut (const PinMap &pinmap)	
	Create a PwmOut connected to the specified pin. More...	
void	write (float value)	
	Set the output duty-cycle, specified as a percentage (float) More...	
float	read ()	
	Return the current output duty-cycle setting, measured as a percentage (float) More...	
void	period (float seconds)	
	Set the PWM period, specified in seconds (float), keeping the duty cycle the same. More...	
void	period_ms (int ms)	
	Set the PWM period, specified in milliseconds (int), keeping the duty cycle the same. More...	
void	period_us (int us)	
	Set the PWM period, specified in microseconds (int), keeping the duty cycle the same. More...	
int	read_period_us ()	
	Read the PWM period. More...	

void	pulsewidth (float seconds)	
	Set the PWM pulsewidth, specified in seconds (float), keeping the period the same. More...	
void	pulsewidth_ms (int ms)	
	Set the PWM pulsewidth, specified in milliseconds (int), keeping the period the same. More...	
void	pulsewidth_us (int us)	
	Set the PWM pulsewidth, specified in microseconds (int), keeping the period the same. More...	
int	read_pulsewitdth_us ()	
	Read the PWM pulsewidth. More...	
void	suspend ()	
	Suspend PWM operation. More...	
void	resume ()	
	Resume PWM operation. More...	
PwmOut &	operator= (float value)	
	A operator shorthand for write() More...	
PwmOut &	operator= (PwmOut &rhs)	
	A operator shorthand for write() More...	
	operator float ()	
	An operator shorthand for read() More...	