

ECSpace	# OrdinaryBasisFunction
<pre> + BasisFunctionType: {ORDINARY_BASIS, B_BASIS} # _alpha: double # _beta: double # polynomial: CharacteristicPolynomial # phi: std::vector< OrdinaryBasisFunction> # rho: SP<RealMatrix>::Default # reversed_Wronskian_beta: SP<RealMatrix>::Default # L: SP<RealMatrix>::Default # U: SP<RealMatrix>::Default # lambda: SP< ColumnMatrix<double> >::Default # mu: SP<RealMatrix>::Default # is_reflection_invariant: bool - deleteAllDynamicallyAllocatedObjects(): void + ECSpace(alpha: double = 0.0, beta: double = 1.0, check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5) + insertZero(a: double, b: double, m: int, update_both_bases: bool = true, check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5): bool + insertZero(zero: const CharacteristicPolynomial::Zero&, update_both_bases: bool = true, check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5): bool + deleteZero(a: double, b: double, update_both_bases: bool = true, check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5): bool + deleteZero(zero: const CharacteristicPolynomial::Zero&, update_both_bases: bool = true, check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5): bool + updateBothOrdinaryAndNNBBases(check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5): bool + setDefinitionDomain(alpha: double, beta: double, check_for_ill_conditioned_matrices: bool = false, expected_correct_significant_digits: int = 5): bool + <<const>> factorizationOfTheCharacteristicPolynomialChanged(): bool + <<const>> dimension(): int + <<const>> alpha: double + <<const>> beta: double + <<const>> operator ()(type: BasisFunctionType, i: int, j: int, u: double) + <<const>> basisTransformationFromNNBToOrdinary(): RealMatrix* + <<const>> isReflectionInvariant(): bool + <<const>> LaTeXExpression(i: int, expression: std::string&): bool + <<const>> generateImagesOfAllBasisFunctions(type: BasisFunctionType, maximum_order_of_derivatives: int, div_point_count: int): RowMatrix<SP<GenericCurve3>::Default>* + <<const>> clone(): ECSpace* + <<friend>> operator <<(lhs: std::ostream&, rhs: const ECSpace&): std::ostream& </pre>	<pre> + Type: {AET_COSINE, AET_SINE, AE_COSINE, AE_SINE, AT_COSINE, AT_SINE, P_COSINE, P_SINE} # _type: Type # _a: double # _b: double # _r: int + OrdinaryBasisFunction(a: double = 0.0, b: double = 0.0, r: int = 0, cosine: bool = true) + <<const>> operator()(i: int, j: int): double + <<const>> type(): Type + <<const>> a(): double + <<const>> b(): double + <<const>> r(): int </pre>